Fall 2013 Levee Maintenance Deficiency Summary Report Overall LMA & Unit Ratings, including USACE Erosion Survey

Sacramento River Basin

MA0013	Overall LMA	Total LMA						
Sutter Maintenance Yard Maintenance	Rating	Miles						
Area 0013	Α	41.97						
Detect them		Maintena	Enforcement		Design & System Obsolescence			
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	
Earthen Levee	1		T				1	
Vegetation					0.01			
Trim / Thin Trees	0.30		0.30	0.72%				
Encroachments	0.57		0.57	1.36%	11.05			
Slope Stability	0.01		0.01	0.02%				
Erosion / Bank Caving	0.02		0.02	0.05%				
Supplemental				0.000/			I	
USACE Erosion Survey	0.01		0.01	0.02%	0.07	4.00		
DWR UCIP Field Study					6.05	1.09		
LMA Totals:	0.91	0.00	0.91	2.17%	17.11	1.09	0.00	0.00
Unit No. 01 Cherokee Canal RB	Overall Unit	Total Unit						
	Rating	Miles						
MA0013	A	18.87						
		Maintena	nce Deficiancy		Enforc	ement	Design 8	k System scence
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	
Earthen Levee							1	
Trim / Thin Trees	0.03		0.03	0.16%				
Encroachments	0.04		0.04	0.21%	4.96			
Slope Stability	0.01		0.01	0.05%				
Supplemental							ı	
USACE Erosion Survey	0.01		0.01	0.05%				
DWR UCIP Field Study					2.77	0.42		
Unit Totals:	0.09	0.00	0.09	0.48%	7.73	0.42	0.00	0.00
Unit No. 02 Cherokee Canal LB	Overall Unit	Total Unit						
	Rating	Miles						
MA0013	A	23.10						
		Maintena	nce Deficiancy		Enforc	ement	Design &	k System scence
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	
Earthen Levee								
Vegetation					0.01			
Trim / Thin Trees	0.27		0.27	1.17%				
Encroachments	0.53		0.53	2.29%	6.09			
Erosion / Bank Caving	0.02		0.02	0.09%				
Supplemental			1				1	
DWR UCIP Field Study					3.28	0.67		
Unit Totals:	0.82	0.00	0.82	3.55%	9.38	0.67	0.00	0.00

LMA District Cover Sheet

Fall 2013 Levee Inspection Results

Sutter Maintenance Yard Maintenance Area 0013

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)							
* Overall LMA Rating (Fall Only)			A								
** Non-receipt of Summer or Winter Inspection Reports may effect overall annual rating.											
* <u>SPRING INSPECTIONS:</u> Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.											
FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports. This rating is not intended to be an indiction of risk.											
Comments											

Unit Cover Sheet

Fall 2013 Levee Inspection Results

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles
Unit No. 01 Cherokee Canal	Right	18.87

	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			A	
Date of Inspection	05/10/2013 - 05/10/2013		10/31/2013 - 10/31/2013	
DWR Inspector	Bob Duffey		Bob Duffey	
Accompanied By	Jason Cooper Sutter Maintenance Yard		Jason Cooper Sutter Maintenance Yard	

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

http://cdec.water.ca.gov/lma.html

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

Page 1 of 130

Flood Control Project Maintenance Levee Inspections

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cherokee Canal	Right	18.87	10/31/2013 10/31/2013	Bob Duffey

									10/31/2013	Dulle	;y
LMR No.	Levee M	Category	Item	Location	Rating	Action/Comment			GPS Latitude		Issue No. Photo
ō.		Earthen Levee	Operations & Maintenance Manuals	ws .					Start °	End °	1
_									DWR ID: DWR_MA	0013_01_s _ 2013_	_1
2	!	Earthen Levee	Emergency Supplies & Equipment	WS .	A Ma				o O DWR ID: DWR_MA	o o 0013 01 s 2013	8
		Earthen	Flood	WS .	^				0	0	
•	,	Levee	Preparedness & Training		Ma				0	٥	.0
-									DWR ID: DWR_MA		_16
2	0.00 0	.00 Supplementa	I DWR UCIP Field Study	WS I		Inspector Comments: FS_ID:4342 EP_NO: Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: new field comment. FIELD_STRUCT_DESC: FS Date: 4/18/2012 9:57:00 AM			0.000000°	0.000000°	4
									DWR ID: DWR_MA	0013_01_f _ 2013_	_4
Ę	0.29 0	.29 Supplementa	DWR UCIP Field Study	WS E		Inspector Comments: FS_ID:3611 EP_NO: 6135 Repair Type: Urgent Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 8 inch steel pip levee 2.8 feet below the crown. Per perm during the flood season the 5 inch irrigat removed and a plate bolted over the wat 8 inch. Current configuration does not all irrigation pipe to slide pipe through. 8 inc solid. (Permit No. 6135-1968) FS Date: 4/17/2012 3:58:00 PM	nit require ion pipe v erside en low for 5	h the ements, will be id of the inch	39.593093° 121.703572° -		21
_									DWR ID: DWR_MA	0013_01_f _ 2013_	_21
-	0.45 0	.45 Supplementa	I DWR UCIP Field Study	WS I		Inspector Comments: FS_ID:4340 EP_NO: 123450 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: This is a sample insper FIELD_STRUCT_DESC: This is a samp structure description. FS Date: 4/18/2012 9:57:00 AM	ector com le field fir	ment.	38.123450 ° 121.123450 ° - DWR ID: DWR_MA	121.123450°	
	0.45 0	.45 Supplementa	I DWR UCIP Field Study	WS I		Inspector Comments: FS_ID:4341 EP_NO: 12345 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: inspector comment. FIELD_STRUCT_DESC: structure desc. FS Date: 4/18/2012 9:57:00 AM		-	38.112340 ° 121.123120 ° - DWR ID: DWR_MA	121.123120°	

* Location LS: Land Side WS: Water Side CR: Crown * Rating

A : Acceptable

M : Minimally Acceptable

U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Mainter

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

				Wa	terwa	ay		Bank	Unit Miles	Inspection Start/End	Inspec	tor
				Unit No. 01 C	Cher	oke	e Canal	Right	18.87	10/31/2013 10/31/2013	Bob Duffe	
LMR No.	Levee	Mile End	Category	Item	Location	Rating	Action/Comment			GPS Latitude/	Longitude End	Issue No. Photo
8	0.60	0.60	Earthen Levee	Slope Stability	WS	M Ma	S3 : Repair the levee slope damaged by prevent access where possible.	vehicle t		39.590173 ° 3 -121.700617 ° -12 DWR ID: DWR_MA00		Υ
9	0.66	1.20	Earthen Levee	Encroachments	LS	M En	DT : Ditch			39.589272 ° ; -121.700599 ° -12		Υ
10	0.76	0.78	Earthen Levee	Encroachments	LS	M Ma	EQ : Equipment			39.587905 ° ; -121.700822 ° -12 DWR ID: DWR_MA00		Υ
11	0.97	0.97	Earthen Levee	Encroachments	LS	M En	PR : Prunings			39.584885 ° ; -121.700487 ° -12 DWR ID: DWR_MA00		Υ
12	1.62	1.62	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:5614 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe collapse on wate toe, needs repair. From WS, sediment is pipe. FIELD_STRUCT_DESC: 36 inch irrigatic metal pipe through the levee, 7.8 feet be gate in corrugated metal pipe riser on th slope. Concrete "U" headwalls on both e 1962) This entry matches the Drainage of Structure referenced in O&M manual (HI FS Date: 4/17/2012	s visible in on corrugelow crow e waterwends (US or Irrigatio	feet of nside lated n. Slide ard ACE- on	-121.702770° -12		24
13	1.62	1.62	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:4822 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe collapse on wate toe, needs repair. From WS, sediment is pipe. FIELD_STRUCT_DESC: 36 inch irrigatic metal pipe through the levee, 7.8 feet be gate in corrugated metal pipe riser on the slope. Concrete "U" headwalls on both e 1962) This entry matches the Drainage of Structure referenced in O&M manual (HI FS Date: 4/17/2012	on corrugelow crow elow crow e waterwends (US or Irrigation	feet of nside lated n. Slide ard ACE- on	DWR ID: DWR_MA00 39.576883 ° ; -121.702770 ° -12	39.576883 °	

* Location LS: Land Side WS: Water Side CR: Crown * Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement DWR ID: DWR_MA0013_01_f _ 2013_25

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cherokee Canal	Right	18.87	10/31/2013 10/31/2013	Bob Duffey
Levee Mile Start End Category Item Levee Mile Action/Comment Action/Comment			GPS Latitude/	Longitude Issue No. End Photo
14 1.62 1.62 Supplemental DWR UCIP Field Study LS U Inspector Comments: FS_ID:5800 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: Pipe collapse on wate toe, needs repair. From WS, sediment is pipe. FIELD_STRUCT_DESC: 36 inch irrigatio metal pipe through the levee, 7.8 feet be gate in corrugated metal pipe riser on th slope. Concrete "U" headwalls on both e 1962) This entry matches the Drainage of Structure referenced in O&M manual (HI FS Date: 4/17/2012	on corrugelow crow elow crow e waterwands (US or Irrigatio	feet of nside lated rn. Slide ard ACE- on		39.576883 ° 26 21.702770 °
15 1.62 1.62 Supplemental DWR UCIP Field Study LS M Inspector Comments: FS_ID:4821 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe collapse on wate toe, needs repair. Sediment visible insid FIELD_STRUCT_DESC: 36 inch irrigativ metal pipe through the levee, 7.8 feet be gate in corrugated metal pipe riser on th slope. Concrete "U" headwalls on both e 1962) This entry matches the Drainage of Structure referenced in O&M manual (HI FS Date: 4/17/2012	e pipe fro on corrug elow crow e waterwa ends (US or Irrigatio	feet of om WS. lated n. Slide ard ACE- on	39.576883 ° 3 121.702770 ° -12	39.576883° 27 21.702770°
16 1.62 1.62 Supplemental DWR UCIP Field Study LS M Inspector Comments: FS_ID:4820 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe collapse on wate toe, needs repair. Sediment visible insid FIELD_STRUCT_DESC: 36 inch irrigatio metal pipe through the levee, 7.8 feet be gate in corrugated metal pipe riser on th slope. Concrete "U" headwalls on both e 1962) This entry matches the Drainage of Structure referenced in O&M manual (HI FS Date: 4/17/2012	e pipe fro on corrug elow crow e waterwa ends (US or Irrigatio	feet of om WS. ated n. Slide ard ACE- on	39.576883 ° 3.121.702770 ° -12	39.576883 ° 28

* Location LS: Land Side WS: Water Side CR: Crown ** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type Ma : Mainter

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement DWR ID: DWR_MA0013_01_f _ 2013_28

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

	Waterway						Bank	Unit Miles	Inspection Start/End	Inspec	tor	
				Unit No. 01 C	Chei	roke	ee Canal	Right	18.87	10/31/2013 10/31/2013	Bob Duffe	
LMR No.	Levee	Mile End	Category	Item	Location *	Rating	Action/Comment			GPS Latitude/L		Issue No.
17	1.62	-	Supplementa	DWR UCIP Field Study	LS		Inspector Comments: FS_ID:3960 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: Pipe collapse on wate needs repair. Minor cracking & spawling headwall FIELD_STRUCT_DESC: 36 inch corrug 8.3 feet below crown located on the Che Right Bank. There is a riser unit located (USACE-1962) This entry matches the I Irrigation Structure referenced in O&M n FS Date: 4/18/2012 9:57:00 AM	on land stated meta rokee Ca on the ward Orainage	off toe, side al pipe anal - aterside. or	Start 39.576883 ° 3.121.702767 ° -12		29
18	1.62	1.62	Supplementa	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:4481 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: new field comment. FIELD_STRUCT_DESC: 36 inch corrug 8.3 feet below crown located on the Che Right Bank. There is a riser unit located (USACE-1962) This entry matches the I Irrigation Structure referenced in O&M in FS Date: 4/18/2012 9:57:00 AM	rokee Ca on the war Orainage	al pipe ınal - aterside. or		9.576910 ° 1.702740 °	30
19	1.62	1.62	Supplementa	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:4500 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe collapse on wate toe, needs repair. Sediment visible insid FIELD_STRUCT_DESC: 36 inch corrug 8.3 feet below crown located on the Che Right Bank. There is a riser unit located (USACE-1962) This entry matches the I Irrigation Structure referenced in O&M n FS Date: 4/18/2012 9:57:00 AM	e pipe from ated metalerokee Calon the warming on the warming of the warming of the properties of the	feet of om WS. al pipe ınal - aterside. or	39.576883° 3.121.702767° -12	9.576883 ° 1.702767 °	31
							(USACE-1962) This entry matches the I Irrigation Structure referenced in O&M n	Orainage	or	DWR ID: DWR_MA00	1	13_01_f _ 2013_

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank Unit Miles Inspection Start/End Inspector
Unit No. 01 Cherokee Canal	Right 18.87 10/31/2013 Bob Duffey
Levee Mile Category Item ***	GPS Latitude/Longitude No.
Levee Mile Category Item Rating Rating	Action/Comment Start End Photo
toe, needs repair. Fr pipe. FIELD_STRUCT_Di metal pipe through t gate in corrugated n slope. Concrete "U" 1962) This entry ma	-121.702770 ° -121.702770 ° rgent
the levee, 7.8 feet b corrugated metal pig	s: FS_ID:3103 39.576900 ° 39.576900 ° 33 -121.702770 ° -121.702770 ° It Found ELETE RECORD!!! ESC: 26-inch irrigation pipe through elow the crown. Slide gate in the riser on the waterward slope. alls on both ends (USACE-1960). 4:59:00 PM
toe, needs repair. Si FIELD_STRUCT_Di 8.3 feet below crown Right Bank. There is (USACE-1962) This	-121.702770 ° -121.702770 ° rgent
needs repair. Minor headwall FIELD_STRUCT_DI 8.3 feet below crowr Right Bank. There is (USACE-1962) This	-121.702740 ° -121.702740 ° rgent und pe collapse on waterside 10' off toe, cracking & spawling on land side ESC: 36 inch corrugated metal pipe n located on the Cherokee Canal - s a riser unit located on the waterside. entry matches the Drainage or eferenced in O&M manual (HLM 1.62).

* Location

LS: Land Side

Rating

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway		Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cherok	ee Canal	Right	18.87	10/31/2013 10/31/2013	Bob Duffey
Levee Mile Start End Category Item	Action/Comment	Action/Comment			
24 1.62 1.62 Supplemental DWR UCIP LS M Field Study En		on land stated meta crokee Ca on the ward orainage	off toe, side al pipe nal - aterside. or	39.576883° 3 121.702767° -12	9.576883° 36 1.702767°
				DWR ID: DWR_MA001	3_01_f _ 2013_36
25 1.62 1.62 Supplemental DWR UCIP LS U Field Study En		s visible in on corrugelow crower waterwards (US or Irrigation	feet from nside ated n. Slide ard ACE- on	39.576883° 3 121.702770°-12	9.576883 ° 37 1.702770 °
				DWR ID: DWR_MA001	3_01_f _ 2013_37
26 1.62 1.62 Supplemental DWR UCIP LS U Field Study En	·	on land seated meta erokee Ca on the war Orainage	off toe, side al pipe nal - aterside. or	39.576883° 3 121.702767°-12	9.576883° 38 1.702767°
				DWR ID: DWR_MA001	3_01_f _ 2013_38

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector		
Unit No. 01 Cherokee Canal	Right	18.87	10/31/2013 Bob 10/31/2013 Duffey			
Levee Mile Category Item Start End Category Item	Action/Comment					
27 1.62 1.62 Supplemental DWR UCIP Field Study LS U Inspector Comments: FS_ID:5960 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: Pipe collapse on w toe, needs repair. From WS, sedimer pipe. FIELD_STRUCT_DESC: 36 inch irrig metal pipe through the levee, 7.8 feet gate in corrugated metal pipe riser or slope. Concrete "U" headwalls on bot 1962) This entry matches the Drainag Structure referenced in O&M manual FS Date: 4/17/2012	t is visible in the street that the street thas the street that the street that the street that the street tha	feet from inside gated vn. Slide vard SACE- on	39.576883 ° 3 -121.702770 ° -12			
28 1.62 1.62 Supplemental DWR UCIP Field Study LS M En EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe collapse on w needs repair. Minor cracking & spawl headwall FIELD_STRUCT_DESC: 36 inch con 8.3 feet below crown located on the C Right Bank. There is a riser unit locat (USACE-1962) This entry matches th Irrigation Structure referenced in O&M FS Date: 4/18/2012 9:57:58 AM	ng on land ugated met herokee Ca ed on the w e Drainage	off toe, side al pipe anal - vaterside. or	39.576910 ° 3 -121.702740 ° -12 DWR ID: DWR_MA00	1.702740°		
29 1.62 1.62 Supplemental DWR UCIP Field Study LS M En EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe collapse on w toe, needs repair. From WS, sedimer pipe. FIELD_STRUCT_DESC: 36 inch irrig metal pipe through the levee, 7.8 feet gate in corrugated metal pipe riser or slope. Concrete "U" headwalls on bot 1962) This entry matches the Drainag Structure referenced in O&M manual FS Date: 4/17/2012	t is visible in the street that the the the the the the the the the th	feet of inside gated vn. Slide vard SACE- on	39.576883 ° 3 -121.702770 ° -12			

* Location LS: Land Side WS : Water Side CR : Crown Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterwa	ay	Bank	Unit Miles	Inspection Start/End	Inspector	
Unit No. 01 Cher	rokee Canal	Right	18.87	10/31/2013 10/31/2013	Bob Duffey	
Levee Mile Category Item San Start End Category San	Action/Comment			GPS Latitude/L	Longitude Issue No. End Photo	
30 1.62 1.62 Supplemental DWR UCIP LS Field Study	En EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: Pipe collapse on wat toe, needs repair. From WS, sediment pipe. FIELD_STRUCT_DESC: 36 inch irrigat metal pipe through the levee, 7.8 feet b gate in corrugated metal pipe riser on tl slope. Concrete "U" headwalls on both 1962) This entry matches the Drainage	P_NO: N/A epair Type: Urgent cossing Status: Found CIP Comments: Pipe collapse on waterside 10 feet of e, needs repair. From WS, sediment is visible inside coe. ELD_STRUCT_DESC: 36 inch irrigation corrugated etal pipe through the levee, 7.8 feet below crown. Slide tite in corrugated metal pipe riser on the waterward ope. Concrete "U" headwalls on both ends (USACE- 162) This entry matches the Drainage or Irrigation ructure referenced in O&M manual (HLM 1.62).				
				DWR ID: DWR_MA001	9.576883 ° 43	
31 1.62 1.62 Supplemental DWR UCIP LS Field Study						
				DWR ID: DWR_MA001	3_01_f _ 2013_43	
32 1.62 1.62 Supplemental DWR UCIP LS Field Study	U Inspector Comments: FS_ID:5660 En EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: Pipe collapse on wat toe, needs repair. From WS, sediment pipe. FIELD_STRUCT_DESC: 36 inch irrigat metal pipe through the levee, 7.8 feet b gate in corrugated metal pipe riser on tl slope. Concrete "U" headwalls on both 1962) This entry matches the Drainage Structure referenced in O&M manual (H	is visible i ion corrug elow crow ne waterw ends (US or Irrigatio	feet of nside lated n. Slide ard ACE- on	39.576883 ° 3: 121.702770 ° -12	9.576883 ° 44 1.702770 °	

FS Date: 4/17/2012

DWR ID: DWR_MA0013_01_f _ 2013_44

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector		
Unit No. 01 Cherokee Canal	Right	18.87	10/31/2013 10/31/2013	Bob Duffey		
Levee Mile Category Item * To the state of the st	ıt		GPS Latitude/	Longitude Issue No. End Photo		
toe, needs repair. Minor cracking & s headwall FIELD_STRUCT_DESC: 36 inch cor 8.3 feet below crown located on the 0 Right Bank. There is a riser unit locat (USACE-1962) This entry matches th	P_NO: N/A epair Type: Non-Urgent rossing Status: Found CIP Comments: Pipe collapse on waterside 10 feet off be, needs repair. Minor cracking & spawling on landside eadwall IELD_STRUCT_DESC: 36 inch corrugated metal pipe 3 feet below crown located on the Cherokee Canal - ight Bank. There is a riser unit located on the waterside. USACE-1962) This entry matches the Drainage or rigation Structure referenced in O&M manual (HLM 1.62).					
34 1.62 1.62 Supplemental DWR UCIP Field Study LS U Inspector Comments: FS_ID:4002 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: Pipe collapse on w toe, needs repair. Minor cracking & s headwall FIELD_STRUCT_DESC: 36 inch cor 8.3 feet below crown located on the G Right Bank. There is a riser unit locat (USACE-1962) This entry matches the Irrigation Structure referenced in O&I FS Date: 4/18/2012 9:57:00 AM	pawling on laugated met therokee Ca ed on the we e Drainage	feet off andside al pipe anal - aterside. or	39.576883 ° 3 -121.702767 ° -12			
35 1.62 1.62 Supplemental DWR UCIP Field Study LS M En EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe collapse on w toe, needs repair. Minor cracking & s headwall FIELD_STRUCT_DESC: 36 inch cor 8.3 feet below crown located on the C Right Bank. There is a riser unit locat (USACE-1962) This entry matches th Irrigation Structure referenced in O&I FS Date: 4/18/2012 9:57:00 AM	pawling on laugated met therokee Ca and on the walled on the walled	feet off andside al pipe anal - aterside. or	39.576883 ° 3 -121.702767 ° -12			

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway		Bank	Unit Miles	Inspection Start/End	Inspect	tor
Unit No. 01 Cherokee Canal		Right	18.87	10/31/2013 10/31/2013	Bob Duffey	y
Levee Mile S. Start End Category Item **Total Rating + Total Ra	Action/Comment			GPS Latitude/	Longitude	No. Photo
36 1.62 1.62 Supplemental DWR UCIP Field Study Field Study Field Study En EP_NO: N/ Repair Typ Crossing S UCIP Comi toe, needs headwall FIELD_STR 8.3 feet bel Right Bank (USACE-19 Irrigation S		39.576883 ° (121.702767 ° -12	39.576883 ° 21.702767 °	48		
Field Study En EP_NO: N/ Repair Typ Crossing S UCIP Com toe, needs headwall FIELD_STF 8.3 feet bel Right Bank (USACE-19 Irrigation S	comments: FS_ID:4019 A :: Non-Urgent atus: Found nents: Pipe collapse on wate epair. Minor cracking & span tuCT_DESC: 36 inch corrug ow crown located on the Che There is a riser unit located 62) This entry matches the I ructure referenced in O&M n 18/2012 9:57:00 AM	wling on la ated meta erokee Ca on the wa Orainage	feet off andside al pipe anal - aterside. or	DWR ID: DWR_MA00 39.576883 ° ° ° .121.702767 ° -12	39.576883 ° 21.702767 °	49
Field Study En EP_NO: N/ Repair Typ Crossing S UCIP Com toe, needs headwall FIELD_STF 8.3 feet bel Right Bank (USACE-19 Irrigation S	omments: FS_ID:3984 A :: Urgent atus: Found nents: Pipe collapse on wate epair. Minor cracking & span UCT_DESC: 36 inch corrug ow crown located on the Che There is a riser unit located 62) This entry matches the I ructure referenced in O&M n 18/2012 9:57:00 AM	wling on la ated meta erokee Ca on the wa Orainage	feet off andside al pipe anal - aterside. or	.121.702767 ° -12		50
				DWR ID: DWR_MA00	013_01_f _ 2013_5	50

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector		
Unit No. 01 Cherokee Canal	Right	18.87	10/31/2013 10/31/2013	Bob Duffey		
Levee Mile Category Item **Total **Tot	nt		GPS Latitude/	Longitude Issue No. End Photo		
toe, needs repair. Minor cracking & sheadwall FIELD_STRUCT_DESC: 36 inch co 8.3 feet below crown located on the Right Bank. There is a riser unit loca (USACE-1962) This entry matches t	P_NO: N/A epair Type: Urgent cossing Status: Found CIP Comments: Pipe collapse on waterside 10 feet off e, needs repair. Minor cracking & spawling on landside eadwall ELD_STRUCT_DESC: 36 inch corrugated metal pipe 3 feet below crown located on the Cherokee Canal - ght Bank. There is a riser unit located on the waterside. SACE-1962) This entry matches the Drainage or igation Structure referenced in O&M manual (HLM 1.62).					
40 1.62 1.62 Supplemental DWR UCIP Field Study LS M En EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe collapse on v toe, needs repair. Minor cracking & s headwall FIELD_STRUCT_DESC: 36 inch co 8.3 feet below crown located on the Right Bank. There is a riser unit loca (USACE-1962) This entry matches t Irrigation Structure referenced in O& FS Date: 4/18/2012 9:57:00 AM	pawling on larged met Cherokee Cated on the water prainage	feet off landside tal pipe anal - vaterside. or	39.576883 ° 3 -121.702767 ° -12			
41 1.62 1.62 Supplemental DWR UCIP Field Study LS M En EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe collapse on v toe, needs repair. Minor cracking & s headwall FIELD_STRUCT_DESC: 36 inch co 8.3 feet below crown located on the Right Bank. There is a riser unit loca (USACE-1962) This entry matches t Irrigation Structure referenced in O& FS Date: 4/18/2012 9:57:00 AM	pawling on larged met Cherokee Cated on the water prainage	feet off landside tal pipe anal - vaterside. or	39.576883 ° 3 -121.702767 ° -12			

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway		Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cherokee C	Canal	Right	18.87	10/31/2013 10/31/2013	Bob Duffey
Levee Mile Solution Start End Category Item Solution Category	Action/Comment			GPS Latitude/L	Longitude Issue No. End Photo
42 1.62 1.62 Supplemental DWR UCIP LS U Ins Field Study Field Study Re CTO UCI toe her FIE 8.3 Rig (US	ppector Comments: FS_ID:3980 '_NO: N/A pair Type: Urgent pssing Status: Found CIP Comments: Pipe collapse on wate pair needs repair. Minor cracking & spaw adwall ELD_STRUCT_DESC: 36 inch corruga the below crown located on the Che pht Bank. There is a riser unit located SACE-1962) This entry matches the E gation Structure referenced in O&M m Date: 4/18/2012 9:57:00 AM	39.576883 ° 3 121.702767 ° -12	9.576883° 54 1.702767°		
Field Study En EP Re Cro UC toe hea FIE 8.3 Ric (US	spector Comments: FS_ID:3989 '_NO: N/A pair Type: Urgent basing Status: Found CIP Comments: Pipe collapse on wate e, needs repair. Minor cracking & spaw adwall ELD_STRUCT_DESC: 36 inch corruga feet below crown located on the Che ght Bank. There is a riser unit located SACE-1962) This entry matches the E gation Structure referenced in O&M m Date: 4/18/2012 9:57:00 AM	vling on la ated meta rokee Ca on the wa Orainage	feet off andside al pipe nal - aterside. or	DWR ID: DWR_MA00* 39.576883 ° 3 121.702767 ° -12	9.576883 ° 55 1.702767 °
Field Study En EP Re Cro UC toe her FIE 8.3 Rig (US	ppector Comments: FS_ID:3994 '_NO: N/A pair Type: Non-Urgent ossing Status: Found CIP Comments: Pipe collapse on wate a, needs repair. Minor cracking & spaw adwall ELD_STRUCT_DESC: 36 inch corruga feet below crown located on the Che oth Bank. There is a riser unit located SACE-1962) This entry matches the D gation Structure referenced in O&M m Date: 4/18/2012 9:57:00 AM	vling on la ated meta rokee Ca on the wa Orainage	feet off andside al pipe nal - aterside. or	121.702767 ° -12	
				DWR ID: DWR_MA001	3_01_f _ 2013_56

Flood Control Project Maintenance Levee Inspections

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank Unit Miles Inspection Start/End Inspector
Unit No. 01 Cherokee Canal	Right 18.87 10/31/2013 Bob Duffey
Levee Mile Start End Category Item	Action/Comment GPS Latitude/Longitude Issue No. Start End Photo
Positive closure/ notify season. FIELD_STRUCT_DES irrigation pipe through the Slide gate in corrugate slope. Concrete headw concrete standpipe in the debris (USACE-1960).	ent de has 4" pipe inside blocking value land ownerto remove prior to flood 6C: 24-inch corrugated metal the levee, 7.6 feet below the crown. Bed metal pipe riser on the waterward wall on the landward side. 36-inch the channel with 2 piles to deflect This entry matches the Drainage or erenced in O&M manual (HLM 1.69).
Positive closure/ notify season. FIELD_STRUCT_DES irrigation pipe through the Slide gate in corrugate slope. Concrete headw concrete standpipe in the debris (USACE-1960).	-121.702870 ° -121.702870 ° ent d e has 4" pipe inside blocking v land ownerto remove prior to flood 6C: 24-inch corrugated metal the levee, 7.6 feet below the crown. ed metal pipe riser on the waterward vall on the landward side. 36-inch the channel with 2 piles to deflect This entry matches the Drainage or erenced in O&M manual (HLM 1.69).
Positive closure/ notify season. FIELD_STRUCT_DES irrigation pipe through the Slide gate in corrugate slope. Concrete headw concrete standpipe in the debris (USACE-1960).	ent d e has 4" pipe inside blocking r land ownerto remove prior to flood 6C: 24-inch corrugated metal the levee, 7.6 feet below the crown. Ed metal pipe riser on the waterward wall on the landward side. 36-inch the channel with 2 piles to deflect This entry matches the Drainage or erenced in O&M manual (HLM 1.69).

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector	
Unit No. 01 Cherokee Canal	Right	18.87	10/31/2013 10/31/2013	Bob Duffey	
Levee Mile Start End Category Item Levee Mile Representation Category Start End Category Start End Category Start End Category Start Category Start			GPS Latitude/L	Longitude Issue No. End Photo	
48 1.70 1.70 Supplemental DWR UCIP Field Study LS M Inspector Comments: FS_ID:5385 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Crossing has 4-inch blocking positive closure/notify landowr to flood season. LS crossing is blocked sediment build up. Burrow activity prese crossing. FIELD_STRUCT_DESC: 24-inch corru irrigation pipe through the levee, 7.6 fet Slide gate in corrugated metal pipe rise slope. Concrete headwall on the landw- concrete standpipe in the channel with debris (USACE-1960). This entry match	A e: Non-Urgent tatus: Found ments: Crossing has 4-inch pipe inside sitive closure/notify landowner to remove prior ason. LS crossing is blocked about 50% by uild up. Burrow activity present on LS near RUCT_DESC: 24-inch corrugated metal pe through the levee, 7.6 feet below the crown. In corrugated metal pipe riser on the waterward crete headwall on the landward side. 36-inch andpipe in the channel with 2 piles to deflect ACE-1960). This entry matches the Drainage or tructure referenced in O&M manual (HLM 1.69).				
49 1.70 1.70 Supplemental DWR UCIP Field Study LS M En EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe has 4-inch pipe positive closure/notify land ownerto ren season. FIELD_STRUCT_DESC: 24-inch corru irrigation pipe through the levee, 7.6 fer Slide gate in corrugated metal pipe rise slope. Concrete headwall on the landw concrete standpipe in the channel with debris (USACE-1960). This entry match lrrigation Structure referenced in O&M FS Date: 4/18/2012 10:09:00 AM	gated met et below the r on the ward side. 3 2 piles to nes the Dr	cking to flood al ne crown. aterward 6-inch deflect ainage or	39.575816 ° 3.121.702897 ° -12	9.575816° 61 1.702897°	
50 1.70 1.70 Supplemental DWR UCIP Field Study LS M Inspector Comments: FS_ID:5641 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Crossing has 4-inch blocking positive closure/notify landowr to flood season. LS crossing is blocked sediment build up. Burrow activity pres- crossing. FIELD_STRUCT_DESC: 24-inch corru- irrigation pipe through the levee, 7.6 fet Slide gate in corrugated metal pipe rise slope. Concrete headwall on the landw concrete standpipe in the channel with debris (USACE-1960). This entry match Irrigation Structure referenced in O&M FS Date: 4/17/2012	about 50' ent on LS gated met et below the on the ward side. 3 2 piles to nes the Dr	e ove prior % by near al e crown. aterward 6-inch deflect ainage or	DWR ID: DWR_MA00: 39.575816 ° 3 121.702900 ° -12	9.575816 ° 62 1.702900 °	

* Location LS: Land Side WS : Water Side CR : Crown * Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

				Wat	terwa	ıy		Bank	Unit Miles	Inspection Start/End	Inspecto	or	
				Unit No. 01 C	her	oke	e Canal	Right	18.87	10/31/2013 10/31/2013	Bob Duffey		
LMR	Levee		Category	Item	Location	Rating ** +	Action/Comment			GPS Latitude/L	.origitude i	Ssue No.	
51	1.70	1.70	Supplementa	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:4823 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Crossing has 4-inch p blocking positive closure/notify landowne to flood season. LS crossing is blocked a sediment build up. Burrow activity preser crossing. FIELD_STRUCT_DESC: 24-inch corrug. Irrigation pipe through the levee, 7.6 feet Slide gate in corrugated metal pipe riser slope. Concrete headwall on the landwal concrete standpipe in the channel with 2 debris (USACE-1960). This entry matchel Irrigation Structure referenced in O&M m FS Date: 4/17/2012	er to remorabout 50° nt on LS ated metal below the on the word side. 3 piles to desthe Dr	e bye prior % by near al lee crown. aterward 6-inch deflect ainage or	39.575816° 39	Start End Photo 39.575816 ° 39.575816 ° 63 21.702900 ° -121.702900 °		
52	1.70	1.70	Supplementa	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:4509 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Crossing has 4-inch p blocking positive closure/notify landowne to flood season. LS crossing is blocked a sediment build up. Burrow activity preser crossing. FIELD_STRUCT_DESC: 24-inch corrug- irrigation pipe through the levee, 7.6 feet Slide gate in corrugated metal pipe riser slope. Concrete headwall on the landwar concrete standpipe in the channel with 2 debris (USACE-1960). This entry matche Irrigation Structure referenced in O&M m FS Date: 4/17/2012	er to remorabout 50° nt on LS ated metal below the on the word side. 3° piles to ees the Dr	e bye prior % by near al lee crown. aterward 6-inch deflect ainage or	DWR ID: DWR_MA001 39.575816 ° 39 121.702900 ° -12	9.575816 ° 1.702900 °	64	
53	1.70	1.70	Supplementa	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:15747 EP_NO: N/A Penair Tyre: Non-Urgent		-	39.575816 ° 39.575816 ° 39.575816 ° 39.575816 ° -12		65	

Repair Type: Non-Urgent Crossing Status: Found

UCIP Comments: Crossing has 4-inch pipe inside blocking positive closure/notify landowner to remove prior to flood season. LS crossing is blocked about 50% by sediment build up. Burrow activity present on LS near crossing.7/15/2013 Same as last inspection.
FIELD_STRUCT_DESC: 24-inch corrugated metal irrigation pipe through the levee, 7.6 feet below the crown. Slide gate in corrugated metal pipe riser on the waterward slope. Concrete headwall on the landward side. 36-inch concrete standpipe in the channel with 2 piles to deflect debris (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 1.69). FS Date: 7/16/2013 7:19:15 AM

DWR ID: DWR_MA0013_01_f _ 2013_65

* Location

LS: Land Side

WS: Water Side

CR: Crown

Rating
A: Acceptable
M: Minimally Acceptable
U: Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Mainter
Ob : Design

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	E	Bank	Unit Miles	Inspection Start/End	Inspecto	or
Unit No. 01 Cherokee Canal	F	Right	18.87	10/31/2013 10/31/2013	Bob Duffey	
Levee Mile Category Item Start End Category Acti	on/Comment			GPS Latitude	Longitude	No. Photo
54 1.70 1.70 Supplemental DWR UCIP Field Study LS M En EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Crossin blocking positive closure/ to flood season. LS cross sediment build up. Burrov crossing. FIELD_STRUCT_DESC: irrigation pipe through the Slide gate in corrugated in slope. Concrete headwall concrete standpipe in the debris (USACE-1960). Th Irrigation Structure referent FS Date: 4/17/2012	ng has 4-inch pipe notify landowner to ing is blocked above activity present of 24-inch corrugate levee, 7.6 feet be netal pipe riser on on the landward of channel with 2 pil is entry matches	to remo out 50% on LS r ed meta elow the n the wa side. 30 iles to o the Dra	ove prior 6 by near al e crown. aterward 6-inch leflect ainage or	39.575816 ° -121.702900 ° -1		66
55 1.70 1.70 Supplemental DWR UCIP Field Study Ben EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Crossin blocking positive closure/ to flood season. LS cross sediment build up. Burrov crossing. FIELD_STRUCT_DESC: irrigation pipe through the Slide gate in corrugated n slope. Concrete headwall concrete standpipe in the debris (USACE-1960). Th Irrigation Structure references	ng has 4-inch pipe notify landowner to ing is blocked about activity present of 24-inch corrugate levee, 7.6 feet be netal pipe riser on on the landward of channel with 2 pil is entry matches need in O&M man	to remo out 50% on LS r ed meta elow the n the wa side. 36 iles to co the Dra	ove prior 6 by near al e crown. aterward 6-inch deflect ainage or	-121.702900° -1	21.702900°	67
				DWR ID: DWR_MA	0013_01_f _ 2013_67	7
56 2.35 Supplemental DWR UCIP Field Study Field Study Field Study Field Study By Status: Found UCIP Comments: Non fur burried. FIELD_STRUCT_DESC: irrigation pipe through the Slide gate in corrugated in slope. Pipe continues acri headwall on the landward matches the Drainage or O&M manual (HLM 2.35). FS Date: 4/18/2012 10:17	nctional crossing/ 24-inch corrugate levee 7.8 feet be netal pipe riser on oss channel. Con- side. (USACE-19 Irrigation Structure	ed meta elow the n the wa ncrete "I 960). Th	all crown. aterward U" nis entry	39.566420 ° -121.703760 ° -1	21.703760°	68
				DWR ID: DWR_MAG	0013_01_f _ 2013_68	3

Location LS: Land Side WS : Water Side CR : Crown Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Survey Continue Caregory Item 1988 18.87 103/120/13 Bab Duffey 18.87 103/120/13 Bab Duffey 18.87 103/120/13 Bab Duffey 18.87 End 103/120/13 Bab Duffey 18.87 End 103/120/13 End 18.87 End 103/120/13 End 18.87 End 103/120/13 End 18.87 End				,	Waterwa	ay		Bank	Unit Miles	Inspection Start/End	Inspecto	r
Second				Unit No. 0	1 Cher	oke	e Canal	Right	18.87			
Second	Levee	e Mile	Category	Item	Locati	Ratin	Action/Comment			GPS Latitude/L	.origitude N	No.
Flield Study Field Field Study Field Field Study Field Fiel	Start	End	0 ,		on	+ [©]				Start	End Pr	hoto
Sample S	57 2.35	2.35	Supplemental		LS		EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Non functional crossir burried. FIELD_STRUCT_DESC: 24-inch corrug irrigation pipe through the levee 7.8 feet Slide gate in corrugated metal pipe riser slope. Pipe continues across channel. C headwall on the landward side. (USACE matches the Drainage or Irrigation Struct O&M manual (HLM 2.35).	121.703760 ° -12	1.703760°			
Field Study Field										DWR ID: DWR_MA001	3_01_f _ 2013_69	
Field Study LS M Inspector Comments: FS_ID:15748 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Non functional crossing due to LS headwall buried. This crossing was listed in the USACE Periodic Inspection report as Corp's inspect ID#USACE_CESPK_M13D_2011_p_0119 for no inlet or outlet visible.7/15/2013 Same as last inspection. FIELD_STRUCT_DESC: 24-inch corrugated metal irrigation pipe through the levee 7.8 feet below the crown. Slide gate in corrugated metal pipe riser on the waterward slope. Pipe continues across channel. Concrete "U" headwall on the landward side. (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 2.35). FS Date: 7/16/2013 7:20:09 AM	58 2.35	2.35	Supplemental		LS		EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Non functional crossin burried. FIELD_STRUCT_DESC: 24-inch corrug irrigation pipe through the levee 7.8 feet Slide gate in corrugated metal pipe riser slope. Pipe continues across channel. C headwall on the landward side. (USACE matches the Drainage or Irrigation Struct O&M manual (HLM 2.35).	ated met below the on the w concrete "	vall al e crown. aterward U" his entry	121.703753°-12	1.703753°	Y
DWR ID: DWR_MA0013_01_f _ 2013_71	⁵⁹ 2.36	2.36	Supplemental		LS		EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Non functional crossin headwall buried. This crossing was lister Periodic Inspection report as Corp's insp ID#USACE_CESPK_M13D_2011_p_01 outlet visible.7/15/2013 Same as last in FIELD_STRUCT_DESC: 24-inch corrug irrigation pipe through the levee 7.8 feet Slide gate in corrugated metal pipe riser slope. Pipe continues across channel. Cheadwall on the landward side. (USACE matches the Drainage or Irrigation Struct O&M manual (HLM 2.35).	d in the Uppect 19 for no spection ated met below the on the w concrete " -1960). T	LS SACE inlet or al e crown. aterward U" his entry	39.566434° 3: 121.703750° -12	9.566434 ° 7	71

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

	Waterway						Unit Miles	Inspection Start/End	Inspect	or
		Unit No. 01 (Cher	oke	e Canal	Right	18.87	10/31/2013 10/31/2013	Bob Duffey	/
Levee Mile	 Category 	Item	Location	Rating	Action/Comment			GPS Latitude/L	Jongitude	No. Photo
60 2.36 2.3	6 Supplementa	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:5454 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Non functional crossir headwall burried. This crossing was liste Periodic Inspection report as Corp's insp ID#USACE_CESPK_M13D_2011_p_01 outlet visible. FIELD_STRUCT_DESC: 24-inch corrug irrigation pipe through the levee 7.8 feet Slide gate in corrugated metal pipe riser slope. Pipe continues across channel. Cheadwall on the landward side. (USACE matches the Drainage or Irrigation Struct O&M manual (HLM 2.35). FS Date: 4/17/2012	ed in the location at the dedict of the location at the locati	LS JSACE inlet or al e crown. aterward U" his entry	39.566434 ° 3: 121.703750 ° -12		72
61 2.36 2.3	6 Supplementa	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:5717 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Non functional crossin headwall buried. This crossing was lister Periodic Inspection report as Corp's insp ID#USACE_CESPK_M13D_2011_p_01 outlet visible. FIELD_STRUCT_DESC: 24-inch corrug irrigation pipe through the levee 7.8 feet Slide gate in corrugated metal pipe riser slope. Pipe continues across channel. Cheadwall on the landward side. (USACE matches the Drainage or Irrigation Struct O&M manual (HLM 2.35). FS Date: 4/17/2012	d in the Uppect 19 for no ated metal below the on the w concrete " -1960). T	LS SACE inlet or al e crown. aterward U" his entry		9.566434° 1.703750°	73
62 2.36 2.3	6 Supplementa	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:4510 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Non functional crossir headwall burried. This crossing was liste Periodic Inspection report as Corp's insp ID#USACE_CESPK_M13D_2011_p_01 outlet visible. FIELD_STRUCT_DESC: 24-inch corrug irrigation pipe through the levee 7.8 feet Slide gate in corrugated metal pipe riser slope. Pipe continues across channel. C headwall on the landward side. (USACE matches the Drainage or Irrigation Struct O&M manual (HLM 2.35).	ed in the location of the loca	LS JSACE inlet or al e crown. aterward U" his entry		9.566434 °	74

* Location LS : Land Side WS : Water Side CR : Crown *Rating
A: Acceptable
M: Minimally Acceptable
U: Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

FS Date: 4/17/2012

+ Issue Type Ma : Mainter

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement DWR ID: DWR_MA0013_01_f _ 2013_74

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway		Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cherok	ee Canal	Right	18.87	10/31/2013 10/31/2013	Bob Duffey
Levee Mile Category Item Category Start End Category Start Start	Action/Comment			GPS Latitude/L	Longitude Issue No. End Photo
63 2.36 2.36 Supplemental DWR UCIP LS M Field Study En	==" =	19) lated met below the on the wooncrete "-1960). T	all eriodic al e crown. aterward 'U" 'his entry	39.566434 ° 39.5121.703753 ° -12	
64 2.36 2.36 Supplemental DWR UCIP LS M Field Study En	'	ed in the location of the loca	LS JSACE inlet or al e crown. aterward U"		9.566434 ° 76
65 2.36 2.36 Supplemental DWR UCIP LS M Field Study	== ' =	ed in the location of the loca	LS JSACE inlet or al e crown. aterward 'U" his entry	DWR ID: DWR_MA001 39.566434 ° 3: 121.703750 ° -12	9.566434 ° 77

* Location

LS: Land Side

WS: Water Side

CR: Crown

* Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Mainter

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement DWR ID: DWR_MA0013_01_f _ 2013_77

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

				Wa	terwa	ay		Bank	Unit Miles	Inspection Start/End	Inspec	ctor
				Unit No. 01 (Cher	oke	ee Canal	Right	18.87	10/31/2013 10/31/2013	Bob Duffe	
LMR No.	Levee	Mile End	Category	Item	Location *	Rating	Action/Comment			GPS Latitude/	Longitude End	Issue No. Photo
66	2.36	2.36	Supplementa	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:4502 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Non functional crossir headwall burried. LS headwall is buried. listed in the USACE Periodic Inspection inspect ID#USACE_CESPK_M13D_201 inlet or outlet visible. FIELD_STRUCT_DESC: 24-inch corrug irrigation pipe through the levee 7.8 feet Slide gate in corrugated metal pipe riser slope. Pipe continues across channel. C headwall on the landward side. (USACE matches the Drainage or Irrigation Struc O&M manual (HLM 2.35). FS Date: 4/18/2012 10:17:00 AM	This cross report as 1_p_011 ated met below the on the woncrete "-1960). T	LS ssing was Corp's 9 for no al e crown. aterward U" his entry	39.566434 ° C 121.703750 ° -12		
67	2.36	2.36	Supplementa	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:5386 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Non functional crossir headwall burried. This crossing was liste Periodic Inspection report as Corp's insp ID#USACE_CESPK_M13D_2011_p_01 outlet visible. FIELD_STRUCT_DESC: 24-inch corrug irrigation pipe through the levee 7.8 feet Slide gate in corrugated metal pipe riser slope. Pipe continues across channel. C headwall on the landward side. (USACE matches the Drainage or Irrigation Struct O&M manual (HLM 2.35). FS Date: 4/17/2012	ed in the location of the loca	LS JSACE inlet or al e crown. aterward U" his entry		89.566434° 11.703750°	79
68	2.36	2.36	Supplementa	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:4824 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Non functional crossin headwall burried. This crossing was lister		LS	39.566434 ° (121.703750 ° -12		

Periodic Inspection report as Corp's inspect ID#USACE_CESPK_M13D_2011_p_0119 for no inlet or

outlet visible.

FIELD_STRUCT_DESC: 24-inch corrugated metal irrigation pipe through the levee 7.8 feet below the crown. Slide gate in corrugated metal pipe riser on the waterward slope. Pipe continues across channel. Concrete "U" headwall on the landward side. (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 2.35).

FS Date: 4/17/2012

DWR ID: DWR_MA0013_01_f _ 2013_80

Location LS: Land Side WS : Water Side CR : Crown Rating A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cherokee Canal	Right	18.87	10/31/2013 10/31/2013	Bob Duffey
Levee Mile Start End Category Item Start End Category Item	t		GPS Latitude/L	_ongitude Issue No. Photo
69 2.74 2.74 Supplemental DWR UCIP Field Study LS M En EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corru drainpipe through the levee, 9.4 feet b Flap gate on the waterward end. Conc on both ends (USACE-1960). This en Drainage or Irrigation Structure referer manual (HLM 2.74). FS Date: 4/18/2012 10:21:13 AM	elow the cr rete "U" he try matche	al own. adwall s the		9.561150 ° 81 1.705110 °
70 3.07 3.07 Supplemental DWR UCIP Field Study LS M Inspector Comments: FS_ID:5665 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: Crossing not visible 2012 Inspection. Attempt to find cross inspection when slopes are cleared of FIELD_STRUCT_DESC: 24-inch drair levee, flap gate on waterward end. Co both ends. FS Date: 4/17/2012 5:25:00 PM	ing during of vegetation in the properties of th	Spring next gh the		9.556276° 82 1.706510°
71 3.07 3.07 Supplemental DWR UCIP Field Study LS M En EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: Crossing not visible 2012 Inspection. Attempt to find cross inspection when slopes are cleared of FIELD_STRUCT_DESC: 24-inch drair levee, flap gate on waterward end. Co both ends. FS Date: 4/17/2012 5:25:00 PM	ing during of vegetation in the properties of th	Spring next gh the	39.556276° 3.121.706510° -12	
72 3.07 3.07 Supplemental DWR UCIP Field Study LS M Inspector Comments: FS_ID:5455 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: Crossing not visible 2012 Inspection. Attempt to find cross inspection when slopes are cleared of FIELD_STRUCT_DESC: 24-inch drain levee, flap gate on waterward end. Co both ends. FS Date: 4/17/2012 5:25:00 PM	ing during ovegetation pipe throu	Spring next gh the	39.556276° 3 .121.706510° -12	9.556276 ° 84

* Location LS: Land Side WS : Water Side CR : Crown Rating A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

DWR ID: DWR_MA0013_01_f _ 2013_84

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

	Waten	way		Bank	Unit Miles	Inspection Start/End	Inspec	ctor
	Unit No. 01 Che	eroke	ee Canal	Right	18.87	10/31/2013 10/31/2013	Bob Duffe	
Levee Mile Start End Category	Item * §	Rating ** +	Action/Comment			GPS Latitude/L	ongitude End	Issue No. Photo
73 3.07 3.07 Supplement	al DWR UCIP LS Field Study	S M En	Inspector Comments: FS_ID:5388 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: Crossing not visible d 2012 Inspection. Attempt to find crossin inspection when slopes are cleared of visible of the state of the s	g during r egetation ipe throu	Spring next gh the	39.556276 ° 3 121.706510 ° -12		85
74 3.07 3.07 Supplement	al DWR UCIP LS Field Study	S M En	Inspector Comments: FS_ID:15750 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: Crossing not visible d 2012 Inspection. Attempt to find crossin inspection when slopes are cleared of vegetation.7/15/2013 Same as last insp to locate. FIELD_STRUCT_DESC: 24-inch drainp levee, flap gate on waterward end. Cond both ends. FS Date: 7/16/2013 7:30:07 AM	g during rection. U	Spring next Inable gh the		9.556276 ° 1.706510 °	86
75 3.10 3.10 Supplement	al DWR UCIP LS Field Study	S M En	Inspector Comments: FS_ID:4506 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: LS headwall blocked I Opening is covered approximately 50%. than LS pipe invert. WS headwall has be cleared of vegetation and sediment. This listed in the USACE Periodic Inspection inspect ID#USACE_CESPK_M13D_201 and LS inlet/outlet blocked by sediment. FIELD_STRUCT_DESC: 36 inch corrug 11.8 feet below the crown. Flapgate is lo waterward side. (USACE-1962) This ent Drainage or Irrigation Structure reference manual (HLM 3.10). FS Date: 4/18/2012 10:25:00 AM	LS floor een recer s crossing report as 1_p_015 ated meta ocated on cry match	ent. is higher itly g was Corp's 7 for WS al pipe the es the	39.556310 ° 3 121.706470 ° -12		

DWR ID: DWR_MA0013_01_f _ 2013_89

Flood Control Project Maintenance Levee Inspections

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

		and maintonant	, , , , , , , , , , , , ,	ou oo .	•		
Waterv	way		Bank	Unit Miles	Inspection Start/End	Insped	ctor
Unit No. 01 Che	eroke	e Canal	Right	18.87	10/31/2013 10/31/2013		
Levee Mile Start End Category Item	Rating	Action/Comment			GPS Latitud	le/Longitude	Issue No.
Start End Category Item * §	ing +	Action/Comment			Start	End	Photo
76 3.10 3.10 Supplemental DWR UCIP LS Field Study	S U En	Inspector Comments: FS_ID:16683 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: LS headwall blocked is of opening is covered). LS floor is higher invert. WS headwall has been recently of vegetation and sediment. This crossing is USACE Periodic Inspection report as Co ID#USACE_CESPK_M13D_2011_p_01 inlet/outlet blocked by sediment.7/15/20 appears to have a possible hole in top or in from LS headwall. FIELD_STRUCT_DESC: 36 inch corrug. 11.8 feet below the crown. Flapgate is lo waterward side. (USACE-1962) This ent Drainage or Irrigation Structure reference manual (HLM 3.10). FS Date: 7/31/2013 8:28:45 AM	than LS leared of was listed orp's inspi 57 for WS 13 Pipe f pipe abo ated meta cated on ry matche	ent (50 % pipe d in the ect S and LS but 10ft. al pipe the es the	39.556310 ° -121.706470 °	39.556310 ° -121.706470 °	
77 3.10 3.10 Supplemental DWR UCIP LS Field Study	S M En	Inspector Comments: FS_ID:4512 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: LS headwall blocked to Opening is covered approximately 50%. than LS pipe invert. WS headwall has be cleared of vegetation and sediment. This listed in the USACE Periodic Inspection inspect ID#USACE_CESPK_M13D_201 and LS inlet/outlet blocked by sediment. FIELD_STRUCT_DESC: 36 inch corrug.	LS floor in the contract of th	ent. is higher ntly g was Corp's 7 for WS	39.556310 ° -121.706470 °	39.556310° -121.706470°	

* Location
LS: Land Side
WS: Water Side
CR: Crown

Thursday, December 12, 2013 15:02

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

manual (HLM 3.10). FS Date: 4/17/2012

+ Issue Type
Ma · Mainter

11.8 feet below the crown. Flapgate is located on the waterward side. (USACE-1962) This entry matches the Drainage or Irrigation Structure referenced in O&M

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

	W	aterway		Bank	Unit Miles	Inspection Start/End	Inspec	ctor			
	Unit No. 01 Cherokee Canal Right 18										
Levee Mile Start End Cate	gory Item	Rating ** + Location *	Action/Comment			GPS Latitude		Issue No.			
	mental DWR UCIP Field Study	LS M En	Inspector Comments: FS_ID:5643 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: LS headwall blocked in opening is covered). LS floor is highe invert. WS headwall has been recently of vegetation and sediment. This crossing USACE Periodic Inspection report as Cond#USACE_CESPK_M13D_2011_p_01 inlet/outlet blocked by sediment. FIELD_STRUCT_DESC: 36 inch corrug 11.8 feet below the crown. Flapgate is low waterward side. (USACE-1962) This ent Drainage or Irrigation Structure reference manual (HLM 3.10). FS Date: 4/17/2012	r than LS cleared of was listed orp's inspector for WS atted meta ocated on ry matche	ent (50 % pipe d in the ect S and LS al pipe the es the	Start 39.556310 ° : 121.706470 ° -12		90			
⁷⁹ 3.10 3.10 Supple	mental DWR UCIP Field Study	LS U En	Inspector Comments: FS_ID:15866 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: LS headwall blocked of opening is covered). LS floor is highe invert. WS headwall has been recently of vegetation and sediment. This crossing USACE Periodic Inspection report as Costa ID#USACE_CESPK_M13D_2011_p_01 inlet/outlet blocked by sediment.7/15/20 appears to have a possible hole in top of in from LS headwall. May need camera investigate further. FIELD_STRUCT_DESC: 36 inch corrug 11.8 feet below the crown. Flapgate is low waterward side. (USACE-1962) This ent Drainage or Irrigation Structure reference manual (HLM 3.10). FS Date: 7/16/2013 10:42:41 AM	r than LS cleared of was listed orp's inspe 57 for W3 13 Pipe f pipe abo inspectio ated meta ocated on ry matche	ent (50 % pipe d in the ect S and LS but 10ft. in to al pipe the es the	39.556310 ° : 121.706470 ° -1:	39.556310 ° 21.706470 °	91			

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

		Wa	terway		Bank	Unit Miles	Inspection Start/End	Inspec	ctor
		Unit No. 01 C	Cherok	ee Canal	Right	18.87	10/31/2013 10/31/2013	Bob Duffe	
Levee Mile Start End	Category	Item	Rating ** + Location *	Action/Comment			GPS Latitude/L	ongitude End	Issue No.
	Supplementa	DWR UCIP Field Study	LS U En	Inspector Comments: FS_ID:15867	r than LS cleared of was listed orp's insp 57 for W3 13 Pipe of pipe abo inspection tated met- cocated on try match	ent (50 % pipe d in the ect S and LS put 10ft. on to al pipe the es the		9.556310 ° 1.706470 °	92
81 3.10 3.10	Supplementa	DWR UCIP Field Study	LS M En	Inspector Comments: FS_ID:5389 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: LS headwall blocked of opening is covered). LS floor is highe invert. WS headwall has been recently of vegetation and sediment. This crossing USACE Periodic Inspection report as Co ID#USACE_CESPK_M13D_2011_p_01 inlet/outlet blocked by sediment. FIELD_STRUCT_DESC: 36 inch corrug 11.8 feet below the crown. Flapgate is lo waterward side. (USACE-1962) This end Drainage or Irrigation Structure reference manual (HLM 3.10). FS Date: 4/17/2012	r than LS cleared of was listed orp's insp 57 for W3 rated meta ocated on try match	ent (50 % pipe d in the ect S and LS al pipe the es the	39.556310 ° 3 121.706470 ° -12		

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector				
Unit No. 01 Cherokee Canal	Right	18.87	10/31/2013 10/31/2013	Bob Duffey				
Levee Mile Category Item Category Action/Comment			GPS Latitude/I	Longitude Issue No. End Photo				
due to higher LS floor. WS headwall his cleared of vegetation and sediment. The listed in the USACE Periodic Inspection inspect ID#USACE_CESPK_M13D_20 FIELD_STRUCT_DESC: 36 inch corrupt 11.8 feet below the crown. Flapgate is waterward side. (USACE-1962) This e	ental DWR UCIP Field Study LS M Inspector Comments: FS_ID:3982 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: LS opening is covered with sediment due to higher LS floor. WS headwall has been recently cleared of vegetation and sediment. This crossing was listed in the USACE Periodic Inspection report (Corp's inspect ID#USACE_CESPK_M13D_2011_p_0157) FIELD_STRUCT_DESC: 36 inch corrugated metal pipe 11.8 feet below the crown. Flapgate is located on the waterward side. (USACE-1962) This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 3.10).							
Field Study Supplemental DWR UCIP Field Study Signature Field Stud	er than LS cleared of y was lister corp's insp 157 for W gated met located on htry match	ent (50 % pipe d in the ect S and LS al pipe the es the	-121.706470° -12					
84 3.10 3.10 Supplemental DWR UCIP Field Study LS M Inspector Comments: FS_ID:4825 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: LS headwall blocked of opening is covered). LS floor is high invert. WS headwall has been recently vegetation and sediment. This crossing USACE Periodic Inspection report as of ID#USACE_CESPK_M13D_2011_p_0 inlet/outlet blocked by sediment. FIELD_STRUCT_DESC: 36 inch corru 11.8 feet below the crown. Flapgate is waterward side. (USACE-1962) This e Drainage or Irrigation Structure referen manual (HLM 3.10). FS Date: 4/17/2012	er than LS cleared of was listed or was listed or listed	ent (50 % pipe d in the ect S and LS al pipe the est the	DWR ID: DWR_MA00: 39.556310 ° 3 -121.706470 ° -12	9.556310 ° 96 1.706470 °				

* Location LS: Land Side WS : Water Side CR : Crown * Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

Bank Unit Miles Inspection Inspector

Flood Control Project Maintenance Levee Inspections

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

		Wat	erway	/		Bank	Unit Miles	Inspection Start/End	Inspec	ctor
		Unit No. 01 C	hero	ke	e Canal	Right	18.87	10/31/2013 10/31/2013	Bob Duffe	
E Levee N		ш	Loca	Rat	A 11 10 1			GPS Latitude/L	ongitude.	Issue No.
-	End Category	Item	Location	Rating	Action/Comment			Start	End	Photo
85 3.10	3.10 Supplemental	DWR UCIP Field Study		U En	Inspector Comments: FS_ID:16684 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: LS headwall blocked it of opening is covered). LS floor is higher invert. WS headwall has been recently of vegetation and sediment. This crossing it USACE Periodic Inspection report as Co. ID#USACE_CESPK_M13D_2011_p_019 inlet/outlet blocked by sediment. 7715/20 appears to have a possible hole in top of in from LS headwall. FIELD_STRUCT_DESC: 36 inch corruga 11.8 feet below the crown. Flapgate is lo waterward side. (USACE-1962) This ent Drainage or Irrigation Structure reference manual (HLM 3.10). FS Date: 7/16/2013	r than LS leared of was listed orp's insp 57 for W3 13 Pipe f pipe about ated metal acated on ry match	ent (50 % pipe d in the ect S and LS out 10ft. al pipe the es the	39.556310° 3 121.706470°-12	9.556310 ° 1.706470 °	
					F3 Date: 7/10/2013			DWR ID: DWR_MA001	3_01_f _ 2013_	_97
86 3.29	3.29 Supplemental	DWR UCIP Field Study	LS I		Inspector Comments: FS_ID:3080 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Steam is bent and pre fully closing. FIELD_STRUCT_DESC: 24-inch corrug drainpipe through the levee, 8.9 feet beld Flap gate on waterward end. Concrete "I both ends (USACE-1960). This entry ma Drainage or Irrigation Structure reference manual (HLM 3.29). FS Date: 4/18/2012 10:30:00 AM	ated met ow the cr U" headw atches the	te from al own. valls on	39.553490 ° 39.553490 ° -12		Y
87 3.29	3.29 Supplemental	DWR UCIP Field Study	LS I		Inspector Comments: FS_ID:3050 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Steam is bent and pre fully closing. FIELD_STRUCT_DESC: 24-inch corrug, drainpipe through the levee, 8.9 feet beld Flap gate on waterward end. Concrete "I both ends (USACE-1960). This entry ma Drainage or Irrigation Structure reference manual (HLM 3.29). FS Date: 4/18/2012 10:30:00 AM	ated met ow the cr U" headw atches the	te from al own. valls on		9.553490 ° 1.706680 °	99

* Location LS: Land Side WS: Water Side CR: Crown * Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

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Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Right	18.87	10/31/2013 10/31/2013 GPS Latitude/	Bob Duffe	
			ongitudo	
			End	Issue No. Photo
gated met gated met elow the cr "U" headw natches th ced in O&	ate from tal rown. valls on e	-121.706680° -12		
elow the cr "U" headv natches th	al own. valls on e	39.553490 ° 3 -121.706680 ° -12	9.553490 ° 1.706680 °	101
elow the cr "U" headv natches th	cal rown. valls on e	39.553490° 3	9.553490° 1.706680°	102
וו ביינו	ugated met elow the cr "U" headv natches th nced in O& ugated met elow the cr "U" headv natches th	ugated metal elow the crown. "U" headwalls on natches the nced in O&M	Igated metal elow the crown. "U" headwalls on natches the need in O&M DWR ID: DWR_MA00 39.553490 ° 3 -121.706680 ° -12	DWR ID: DWR_MA0013_01_f_2013_ 39.553490 ° 39.553490 ° -121.706680 ° -121.706680 ° Igated metal elow the crown. "U" headwalls on natches the need in O&M DWR ID: DWR_MA0013_01_f_2013_ 39.553490 ° 39.553490 ° -121.706680 ° -121.706680 ° -121.706680 °

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Flood Control Project Maintenance Levee Inspections

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

	Wa	iterway		Bank	Unit Miles	Inspection Start/End	Inspector
	Unit No. 01 (Cheroke	ee Canal	Right	18.87	10/31/2013 10/31/2013	Bob Duffey
Levee Mile Z Start End Category	Item	Rating ** + Location *	Action/Comment			GPS Latitude/L	ongitude Issue No. End Photo
91 3.29 3.29 Supplementa	al DWR UCIP Field Study	LS U En	Inspector Comments: FS_ID:3052 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: Steam is bent and prefully closing. FIELD_STRUCT_DESC: 24-inch corrug drainpipe through the levee, 8.9 feet bel Flap gate on waterward end. Concrete "both ends (USACE-1960). This entry made to be the control of the contro	ated met ow the cr U" headw atches the	te from al own. <i>r</i> alls on	39.553490 ° 38.121.706680 ° -12	
92 3.30 3.30 Supplementa	al DWR UCIP Field Study	LS M En	Inspector Comments: FS_ID:4507 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: LS slide gate stem is gate from fully closing. Both WS and LS cleared of debris and sediment. This cro in the USACE Periodic Inspection report ID#USACE_CESPK_M13D_2011_p_01 gates on WS & LS due to sediment and inlet and outlet. FIELD_STRUCT_DESC: 24-inch corrug drainpipe through the levee, 8.9 feet bel Flap gate on waterward end. Concrete " both ends (USACE-1960). This entry ma Drainage or Irrigation Structure reference manual (HLM 3.29). FS Date: 4/18/2012 10:30:00 AM	have been besing was to as Corp' 62 for incomparishment of the created metrow the created meadwatches the	prevents en s listed s inspect operable ocking al own. valls on	.121.706680 ° -12	
93 3.30 3.30 Supplementa	al DWR UCIP Field Study	LS M En	Inspector Comments: FS_ID:3985 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: LS slide gate stem is gate from fully closing. Both WS and LS cleared of debris and sediment. This cro in the USACE Periodic Inspection report ID#USACE_CESPK_M13D_2011_p_01 FIELD_STRUCT_DESC: 24-inch corrug drainpipe through the levee, 8.9 feet bel Flap gate on waterward end. Concrete " both ends (USACE-1960). This entry ma Drainage or Irrigation Structure reference manual (HLM 3.29). FS Date: 4/18/2012 10:30:00 AM	s have been bessing was to (Corp's in 62) that did not consider the crull headwatches the	prevents en s listed inspect al own. valls on	DWR ID: DWR_MA001 39.553490 ° 33 -121.706680 ° -12	9.553490 ° 105 1.706680 °

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

			Wat	erwa	ay		Bank	Unit Miles	Inspection Start/End	Inspector		
			Unit No. 01 C	her	oke	e Canal	Right	18.87	10/31/2013 10/31/2013	Bob Duffey		
Z	vee Mile	Category	Item	Location	Rating	Action/Comment			GPS Latitude/Longitude Issue No.			
94 3.		Supplemental	DWR UCIP Field Study		M En	Inspector Comments: FS_ID:5457 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: LS slide gate stem is gate from fully closing. Both WS and LS cleared of debris and sediment. This cro in the USACE Periodic Inspection report ID#USACE_CESPK_M13D_2011_p_01 gates on WS & LS due to sediment and inlet and outlet. FIELD_STRUCT_DESC: 24-inch corrug drainpipe through the levee, 8.9 feet bel Flap gate on waterward end. Concrete " both ends (USACE-1960). This entry ma Drainage or Irrigation Structure reference manual (HLM 3.29). FS Date: 4/17/2012	have been been ssing was to as Corp' 62 for incompression of the crum headwatches the street with the crum headwatches the street with the street was the street with the street with the street was the street with the street was the street with the street was the street was the street with the street was the street	prevents en s listed s inspect operable ocking al own. valls on	Start 39.553490 ° 3 121.706680 ° -12	End Photo 9.553490 ° 106 1.706680 °		
95 3.	30 3.30	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:4513 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: LS slide gate stem is gate from fully closing. Both WS and LS cleared of debris and sediment. This cro in the USACE Periodic Inspection report ID#USACE_CESPK_M13D_2011_p_01 gates on WS & LS due to sediment and inlet and outlet. FIELD_STRUCT_DESC: 24-inch corrug drainpipe through the levee, 8.9 feet bel Flap gate on waterward end. Concrete " both ends (USACE-1960). This entry ma Drainage or Irrigation Structure reference manual (HLM 3.29). FS Date: 4/17/2012	have been ssing was that as Corp' 62 for incompression of the crum the crum headwatches the	prevents en s listed s inspect operable ocking al own. valls on	DWR ID: DWR_MA00: 39.553490 ° 3 121.706680 ° -12	9.553490° 107 1.706680°		

Flood Control Project Maintenance Levee Inspections

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cherokee Canal	Right	18.87	10/31/2013 10/31/2013	Bob Duffey
Levee Mile Category Item Start End Category Action/Comme	nt		GPS Latitude/	Longitude Issue No. End Photo
96 3.30 3.30 Supplemental DWR UCIP Field Study LS M En EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: LS slide gate ster gate from fully closing. Both WS and cleared of debris and sediment. This in the USACE Periodic Inspection re ID#USACE_CESPK_M13D_2011_p gates on WS & LS due to sediment inlet and outlet. FIELD_STRUCT_DESC: 24-inch co drainpipe through the levee, 8.9 feet Flap gate on waterward end. Concre both ends (USACE-1960). This entry Drainage or Irrigation Structure refer manual (HLM 3.29). FS Date: 4/17/2012	LS have be crossing war port as Corp_0162 for including and grass blurtugated metabelow the cite "U" heady matches the	I prevents een as listed 's inspect operable ocking tal rown. valls on e	39.553490 ° 3 -121.706680 ° -12	9.553490° 108 11.706680°
10 Butc. 4/1/2012			DWR ID: DWR_MA00	13_01_f _ 2013_108
97 3.78 3.78 Supplemental DWR UCIP Field Study Ben	rrugate meta below the co le gate on la lends (USA age or Irrigat	LS slope Il rown. ndward CE- cion	39.546592 ° 3 -121.707560 ° -12	
98 3.78 3.78 Supplemental DWR UCIP Field Study LS M Inspector Comments: FS_ID:3987 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection due to dense vegetation. FIELD_STRUCT_DESC: 24-inch co drainpipe through the levee, 8.1 feet Flap gate on the waterward end. Slic end. Concrete "U" headwalls on bott 1960). This entry matches the Drain Structure referenced in O&M manual FS Date: 4/18/2012 11:05:00 AM	rrugate meta below the cle gate on la le ends (USA age or Irrigat	LS slope Il rown. ndward CE- tion		9.546592 ° 110 11.707564 °

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

			Wa	Bank	Unit Miles	Inspection Inspector Start/End					
Unit No. 01 Cherokee Canal Right 18.87									10/31/2013 Bob 10/31/2013 Duffey		
Levee Mile Start End Category Item **Tating + **Tating				Rating	Action/Comment			GPS Latitude/Longitude Issue No. Start End Photo			
99 3.7	8 3.78	Supplementa	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:4524 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection on due to dense vegetation. Need photos o FIELD_STRUCT_DESC: 24-inch corrug drainpipe through the levee, 8.1 feet bele Flap gate on the waterward end. Slide ge end. Concrete "U" headwalls on both en 1960). This entry matches the Drainage Structure referenced in O&M manual (HI FS Date: 4/18/2012	f cleared ate meta ow the cr ate on lar ds (USA0 or Irrigati	LS slope slopes. I own. ndward CE-	39.546592 ° 3.121.707560 ° -12		111 Y
100 3.7	8 3.78	Supplementa	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:5392 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection on due to dense vegetation. Need photos o FIELD_STRUCT_DESC: 24-inch corrug drainpipe through the levee, 8.1 feet bele Flap gate on the waterward end. Slide ge end. Concrete "U" headwalls on both en 1960). This entry matches the Drainage Structure referenced in O&M manual (HI FS Date: 4/18/2012	f cleared ate meta ow the cr ate on lar ds (USA) or Irrigati	LS slope slopes. I own. ndward CE-	39.546592° 3 121.707560° -12	1.707560°	
101 3.7	8 3.78	Supplementa	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:5666 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection on due to dense vegetation. Need photos o FIELD_STRUCT_DESC: 24-inch corrug drainpipe through the levee, 8.1 feet bel Flap gate on the waterward end. Slide ge end. Concrete "U" headwalls on both en 1960). This entry matches the Drainage Structure referenced in O&M manual (HI FS Date: 4/18/2012	f cleared ate meta ow the cr ate on lar ds (USA) or Irrigati	LS slope slopes. I own. ndward CE-		9.546592 ° 1.707560 °	113 Y

* Location LS : Land Side WS : Water Side CR : Crown ** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Mainter

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway								Bank	Unit Miles	Inspection Start/End	Insped	ctor
Unit No. 01 Cherokee Canal								Right	18.87	10/31/2013 10/31/2013	Bot Duffe	
LMR	Levee	Levee Mile							GPS Latitude/Longitude Issue			
No.	Start	End	Category	Item	Location *	Rating	Action/Comment			Start	End	Photo
102	3.78	3.78	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:4515 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection on due to dense vegetation. FIELD_STRUCT_DESC: 24-inch corrug drainpipe through the levee, 8.1 feet bele Flap gate on the waterward end. Slide ge end. Concrete "U" headwalls on both en 1960). This entry matches the Drainage Structure referenced in O&M manual (HI FS Date: 4/17/2012	LS slope I own. ndward CE- ion	39.546592 ° 39.546592 ° 114 -121.707560 ° -121.707560 °			
103	3.80	3.80	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:5802 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: LS slide gate covered gate is bent. Crossing appears not be in inspection on WS and LS slope due to d Need photos of cleared slopes. FIELD_STRUCT_DESC: 24-inch corrug drainpipe through the levee, 7.9 feet beld Flap gate on the waterward end. Screw (landward end. Concrete "U" headwalls of (USACE-1960). This entry matches the Irrigation Structure referenced in O&M m FS Date: 4/18/2012 11:09:00 AM	use. Lim lense veg ated met ow the cr gate on the n both er Drainage	Slide ited jetation. al own. ne ne nds or	39.546317 ° 3121.707510 ° -12	89.546317 ° 21.707510 °	115
104	3.80	3.80	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:3990 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Not in Use. LS slide g silt. Slide gate is bent. Limited inspection slope due to dense vegetation. FIELD_STRUCT_DESC: 24-inch corrug drainpipe through the levee, 7.9 feet belt Flap gate on the waterward end. Screw g landward end. Concrete "U" headwalls of (USACE-1960). This entry matches the Irrigation Structure referenced in O&M m FS Date: 4/18/2012 11:09:00 AM	ated met ow the cr gate on the on both er Drainage	red with and LS al own. ne nds or	39.546317° (121.707513° -12	89.546317 ° 21.707513 °	

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma Mainter

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Widnitor & Waintain Lin

DWR ID: DWR_MA0013_01_f _ 2013_116

Levee Inspection Report By Mile - Fall 2013

	Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 0	01 Cherokee Canal	Right	18.87	10/31/2013 10/31/2013	Bob Duffey
Levee Mile Category Item	* tign + R * Action/Commer	.4		GPS Latitude/I	ongitude Issue
Start End Category Item	* et ing	It		Start	End Photo
3.80 3.80 Supplemental DWR UCIP Field Study	LS M Inspector Comments: FS_ID:15756 En EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: LS slide gate cover gate is bent. Crossing appears not be inspection on WS and LS slope due to Need photos of cleared slopes.7/15/2 been cleared of vegetation and are in screw gate is still bent and silted over FIELD_STRUCT_DESC: 24-inch condition of the levee, 7.9 feet in Flap gate on the waterward end. Scree landward end. Concrete "U" headwall (USACE-1960). This entry matches the Irrigation Structure referenced in O&M FS Date: 7/16/2013 7:39:28 AM	in use. Lin o dense versions Slope good cond cond cond cond cond cond cond c	Slide nited getation. s have ition. LS tal rown. he nds	39.546317 ° 3 -121.707510 ° -12	
106 3.80 3.80 Supplemental DWR UCIP Field Study	LS M Inspector Comments: FS_ID:5801 En EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: LS slide gate cover gate is bent. Crossing appears not be inspection on WS and LS slope due to Need photos of cleared slopes. FIELD_STRUCT_DESC: 24-inch condition of the levee, 7.9 feet to Flap gate on the waterward end. Screen landward end. Concrete "U" headwall (USACE-1960). This entry matches the liring at the landward referenced in O&M FS Date: 4/18/2012 11:09:00 AM	in use. Ling of dense very sugated meropelow the crew gate on the son both ene Drainage	Slide nited getation. tal rown. he nds	39.546317° 3 -121.707510° -12	9.546317° 118 1.707510°
				DWR ID: DWR_MA00	
3.80 3.80 Supplemental DWR UCIP Field Study	LS M Inspector Comments: FS_ID:5393 En EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Crossing appears r slide gate covered with silt. Slide gate inspection on WS and LS slope due t Need photos of cleared slopes. FIELD_STRUCT_DESC: 24-inch con drainpipe through the levee, 7.9 feet I Flap gate on the waterward end. Scre landward end. Concrete "U" headwall (USACE-1960). This entry matches tl Irrigation Structure referenced in O&N FS Date: 4/18/2012 11:09:00 AM	e is bent. Ling of dense very sugated meropelow the crew gate on the son both ene Drainage	use. LS mited getation. tal rown. he nds	39.546317 ° 3 -121.707510 ° -12	
				DWK_MA00	13_01_1 _ 2013_119

Levee Inspection Report By Mile - Fall 2013

Unit No. 01 Cherokee Canal Right 18.87 10/31/2013			Waterway		Bank	Unit Miles	Inspection Start/End	Inspector
108 3.80 3.80 3.80 Supplemental DWR UCIP Field Study E. M. Inspector Comments: FS_ID:5459 39.546317 30.546317 126. 121.707510 121.707		Unit No. ()1 Cheroke	ee Canal	Right	18.87	10/31/2013	
Field Study Field		jory Item	Rating ** + Location *	Action/Comment				No.
109 3.80 3.80 Supplemental DWR UCIP Field Study LS M Inspector Comments: FS_ID:15757 En EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: LS slide gate covered with silt. Slide gate is bent. Crossing appears not be in use. Limited inspection on WS and LS slope due to dense vegetation. Need photos of cleared slopes.7/15/2013 Slopes have been cleared of vegetation and are in good condition. LS screw gate is still bent and silted over. FIELD_STRUCT_DESC: 24-inch corrugated metal drainpipe through the levee, 7.9 feet below the crown. Flap gate on the waterward end. Screw gate on the landward end. Concrete "U" headwalls on both ends (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 3.82). FS Date: 7/16/2013 7:41:48 AM DWR.ID: DWR_IMMO013_01_J_2013_121 LS M Inspector Comments: FS_ID:4523 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Crossing appears not be be in use. LS slide gate is bent. Limited inspection on WS and LS slope due to dense vegetation. Need photos of cleared slopes. FIELD_STRUCT_DESC: 24-inch corrugated metal drainpipe through the levee, 7.9 feet below the crown. Flap gate on the waterward end. Screw gate on the landward end. Concrete "U" headwalls on both ends (USACE-1960). This entry matches the Drainage or Irrigation Screw gate to MEM and LS slope due to dense vegetation. Need photos of cleared slopes. FIELD_STRUCT_DESC: 24-inch corrugated metal drainpipe through the levee, 7.9 feet below the crown. Flap gate on the waterward end. Screw gate on the landward end. Concrete "U" headwalls on both ends (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 3.82).	108 3.80 3.80 Supple			EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Crossing appears not slide gate covered with silt. Slide gate is inspection on WS and LS slope due to d Need photos of cleared slopes. FIELD_STRUCT_DESC: 24-inch corrug drainpipe through the levee, 7.9 feet bele Flap gate on the waterward end. Screw g landward end. Concrete "U" headwalls o (USACE-1960). This entry matches the Irrigation Structure referenced in O&M m	bent. Lim lense veg ated meta ow the cro gate on the on both en Drainage	e. LS nited etation. al own. ne nds or	.121.707510 ° -12	1.707510°
110 3.80 3.80 Supplemental DWR UCIP Field Study LS M Inspector Comments: FS_ID:4523 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Crossing appears not be be in use. LS slide gate covered with silt. Slide gate is bent. Limited inspection on WS and LS slope due to dense vegetation. Need photos of cleared slopes. FIELD_STRUCT_DESC: 24-inch corrugated metal drainpipe through the levee, 7.9 feet below the crown. Flap gate on the waterward end. Screw gate on the landward end. Concrete "U" headwalls on both ends (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 3.82).	109 3.80 3.80 Supple			EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: LS slide gate covered gate is bent. Crossing appears not be in inspection on WS and LS slope due to d Need photos of cleared slopes.7/15/201 been cleared of vegetation and are in go screw gate is still bent and silted over. FIELD_STRUCT_DESC: 24-inch corrug drainpipe through the levee, 7.9 feet beld Flap gate on the waterward end. Screw g landward end. Concrete "U" headwalls of (USACE-1960). This entry matches the Irrigation Structure referenced in O&M m	use. Lim lense veg 3 Slopes ood condit ated meta ow the cre gate on the on both er Drainage	Slide ited etation. have cion. LS al own. he eds or	39.546317° 3: 121.707510° -12	9.546317° 121 1.707510°
DWR ID: DWR_MA0013_01_f _ 2013_122	110 3.80 3.80 Supple			EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Crossing appears not slide gate covered with silt. Slide gate is inspection on WS and LS slope due to d Need photos of cleared slopes. FIELD_STRUCT_DESC: 24-inch corrug drainpipe through the levee, 7.9 feet beld Flap gate on the waterward end. Screw g landward end. Concrete "U" headwalls of (USACE-1960). This entry matches the Irrigation Structure referenced in O&M m	bent. Lim lense veg ated meta ow the cro gate on the on both er Drainage	use. LS nited etation. al own. ne nds or	39.546317° 3: 121.707510° -12	9.546317 ° 122 1.707510 °

Levee Inspection Report By Mile - Fall 2013

				Waten	way		Bank	Unit Miles	Inspection Start/End	Inspector	r
			Unit No.	01 Che	eroke	ee Canal	Right	18.87	10/31/2013 10/31/2013	Bob Duffey	
Levee Start		Category	Item	* 5	Rating ** +	Action/Comment			GPS Latitude/	Longitude	No.
111 3.80	3.80 S		DWR UCIP Field Study		S M En	Inspector Comments: FS_ID:5617 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: LS slide gate covered gate is bent. Crossing appears not be in inspection on WS and LS slope due to o Need photos of cleared slopes. FIELD_STRUCT_DESC: 24-inch corrug drainpipe through the levee, 7.9 feet bel Flap gate on the waterward end. Screw landward end. Concrete "U" headwalls of (USACE-1960). This entry matches the Irrigation Structure referenced in O&M n FS Date: 4/18/2012 11:09:00 AM	use. Lim dense veg ated met ow the cr gate on the on both en Drainage	Slide ited getation. al own. he nds or	39.546317 ° 3-121.707510 ° -12	1.707510°	123 3
112 3.80	3.80 S		DWR UCIP Field Study		S M En	Inspector Comments: FS_ID:4517 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Crossing appears not slide gate covered with silt. Slide gate is inspection on WS and LS slope due to of FIELD_STRUCT_DESC: 24-inch corrug drainpipe through the levee, 7.9 feet bel Flap gate on the waterward end. Screw landward end. Concrete "U" headwalls of (USACE-1960). This entry matches the Irrigation Structure referenced in O&M in FS Date: 4/18/2012 11:09:00 AM	bent. Lir dense veg ated met ow the cr gate on the on both er Drainage	use. LS nited getation. al own. he nds or	39.546317 ° 3121.707510 ° -12	1.707510°	
113 3.80	3.80 S		DWR UCIP Field Study		S M En	Inspector Comments: FS_ID:5942 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: LS slide gate covered gate is bent. Crossing appears not be in inspection on WS and LS slope due to on Need photos of cleared slopes. FIELD_STRUCT_DESC: 24-inch corrug drainpipe through the levee, 7.9 feet bel Flap gate on the waterward end. Screw landward end. Concrete "U" headwalls of (USACE-1960). This entry matches the Irrigation Structure referenced in O&M in FS Date: 4/18/2012 11:09:00 AM	use. Lim dense veg ated met ow the cr gate on the on both en Drainage	Slide ited getation. al own. he nds or	39.546317 ° 3-121.707510 ° -12	11.707510°	

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

	Waterway								Unit Miles	Inspection Start/End	Inspec	ctor
				Unit No. 01	Cher	oke	e Canal	Right	18.87	10/31/2013 10/31/2013	Bob Duffe	
LMR	Levee	Mile	Category	Item	Location	Rating ** +	Action/Comment			GPS Latitude/I	ongitude	Issue No.
114	3.82	3.82	Supplemental		LS	M En	Inspector Comments: FS_ID:3104 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Not in Use FIELD_STRUCT_DESC: 24-inch corruga drainpipe through the levee, 7.9 feet belo Flap gate on the waterward end. Screw (landward end. Concrete "U" headwalls o (USACE-1960). This entry matches the I Irrigation Structure referenced in O&M m FS Date: 4/18/2012 11:09:00 AM	ow the create on the create on the country of the create o	al own. ne nds or	.121.707513° -12		
115	3.82	3.82	Supplemental	DWR UCIP Field Study	LS	U En	Inspector Comments: FS_ID:3272 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: Not in Use FIELD_STRUCT_DESC: 24-inch corruga drainpipe through the levee, 7.9 feet belo Flap gate on the waterward end. Screw of landward end. Concrete "U" headwalls o (USACE-1960). This entry matches the I Irrigation Structure referenced in O&M m FS Date: 4/18/2012 11:09:00 AM	ow the create on	al own. ne nds or	DWR ID: DWR_MA00 39.546317 ° 3 121.707513 ° -12	9.546317° 1.707513°	127
116	3.82	3.82	Supplemental	DWR UCIP Field Study	LS		Inspector Comments: FS_ID:2946 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: Not in Use FIELD_STRUCT_DESC: 24-inch corruga drainpipe through the levee, 7.9 feet below Flap gate on the waterward end. Screw of landward end. Concrete "U" headwalls of (USACE-1960). This entry matches the I Irrigation Structure referenced in O&M m FS Date: 4/18/2012 11:09:54 AM	ow the create on the create on the country of the create o	al own. ne nds or	39.546350 ° 3 .121.707530 ° -12		
117	3.82	3.82	Supplemental	DWR UCIP Field Study	LS	U En	Inspector Comments: FS_ID:3085 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: Not in Use FIELD_STRUCT_DESC: 24-inch corruga drainpipe through the levee, 7.9 feet belo Flap gate on the waterward end. Screw of landward end. Concrete "U" headwalls o (USACE-1960). This entry matches the I Irrigation Structure referenced in O&M m FS Date: 4/18/2012 11:09:00 AM	ow the create on	al own. ne nds or	39.546350 ° 3 -121.707530 ° -12		

* Location LS : Land Side WS : Water Side CR : Crown * Rating

A : Acceptable

M : Minimally Acceptable

U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

				Wa	terwa	ay		Bank	Unit Miles	Inspection Start/End	Inspec	tor
				Unit No. 01 C	Cher	oke	e Canal	Right	18.87	10/31/2013 10/31/2013	Bob Duffe	
LMR N	Levee		Category	Item	Location *	Rating	Action/Comment			GPS Latitude/I		Issue No. Photo
118	3.82	3.82	Supplementa	DWR UCIP Field Study	LS	т	Inspector Comments: FS_ID:3081 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Not in Use FIELD_STRUCT_DESC: 24-inch corruga drainpipe through the levee, 7.9 feet beld Flap gate on the waterward end. Screw of landward end. Concrete "U" headwalls of (USACE-1960). This entry matches the I Irrigation Structure referenced in O&M m FS Date: 4/18/2012 11:09:00 AM	ow the crogate on the note on the contract of	al own. ne nds or	.121.707530 ° -12		130
119	3.82	3.82	Supplementa	DWR UCIP Field Study	LS		Inspector Comments: FS_ID:3304 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Not in Use FIELD_STRUCT_DESC: 24-inch corrugate drainpipe through the levee, 7.9 feet belof landward end. Concrete "U" headwalls of (USACE-1960). This entry matches the I Irrigation Structure referenced in O&M mr FS Date: 4/18/2012 11:09:00 AM	ow the crogate on the both er Drainage	al own. ne nds or	DWR ID: DWR_MA00: 39.546317 ° 3 .121.707513 ° -12	9.546317 ° 1.707513 °	131
120	3.82	3.82	Supplementa	DWR UCIP Field Study	LS		Inspector Comments: FS_ID:3086 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: Not in Use FIELD_STRUCT_DESC: 24-inch corruga drainpipe through the levee, 7.9 feet belo Flap gate on the waterward end. Screw of landward end. Concrete "U" headwalls of (USACE-1960). This entry matches the I Irrigation Structure referenced in O&M m FS Date: 4/18/2012 11:09:00 AM	ow the crogate on the note on the contract of	al own. ne nds or		9.546317 ° 1.707513 °	132
121	4.13	4.20	Earthen Levee	Encroachments	LS	M En	TR : Tree or limb				9.540651 ° 1.707404 °	18 Y

* Location

LS: Land Side

WS: Water Side

CR: Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma · Mainter

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway		Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cheroke	ee Canal	Canal Right 18.87			
Levee Mile Category Item Start End End Category Item Start End Category Start Category Catego	Action/Comment			GPS Latitude/L	ongitude Issue No. End Photo
122 4.42 4.42 Supplemental DWR UCIP LS M Field Study En	Inspector Comments: FS_ID:5667 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Minor debris on lands crossing was listed in the USACE Perio report as Corp's inspect ID#USACE_CESPK_M13D_2011_p_01 and grass blocking WS and LS. FIELD_STRUCT_DESC: 36-inch corrug drainpipe through the levee, 9.1 feet bel Flap gate on the waterward end. Slide g end. Concrete "U" headwalls on both er 1960). This entry matches the Drainage Structure referenced in O&M manual (H FS Date: 4/18/2012 11:17:00 AM	89 for se gated met low The c late on lai los (USA) or Irrigat	This ction diment al rown. ndward CE-tion	39.537516° 39.5121.707580° -12°	
123 4.42 4.42 Supplemental DWR UCIP LS M Field Study En	Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Minor debris on lands crossing was listed in the USACE Perio report as Corp's inspect ID#USACE_CESPK_M13D_2011_p_01 and grass blocking WS and LS. FIELD_STRUCT_DESC: 36-inch corrug drainpipe through the levee, 9.1 feet bel Flap gate on the waterward end. Slide g end. Concrete "U" headwalls on both er	A e: Non-Urgent tatus: Found ments: Minor debris on landside inlet. This as listed in the USACE Periodic Inspection orp's inspectCESPK_M13D_2011_p_0189 for sediment olocking WS and LS. RUCT_DESC: 36-inch corrugated metal prough the levee, 9.1 feet below The crown. In the waterward end. Slide gate on landward ete "U" headwalls on both ends (USACE-entry matches the Drainage or Irrigation eferenced in O&M manual (HLM 4.43).			
124 4.42 4.42 Supplemental DWR UCIP LS M Field Study En	Inspector Comments: FS_ID:5460 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Minor debris on lands crossing was listed in the USACE Perio report as Corp's inspect ID#USACE_CESPK_M13D_2011_p_01 and grass blocking WS and LS. FIELD_STRUCT_DESC: 36-inch corrug drainpipe through the levee, 9.1 feet bel Flap gate on the waterward end. Slide g end. Concrete "U" headwalls on both er 1960). This entry matches the Drainage Structure referenced in O&M manual (H FS Date: 4/18/2012 11:17:00 AM	89 for segated met ow The cate on lands (USA) or Irrigat	This ction diment al rown. ndward CE-tion	.121.707580 ° -12	9.537516° 135 1.707580°
				DWR ID: DWR_MA001	3_01_f _ 2013_135

* Location LS : Land Side WS : Water Side CR : Crown ** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Mainter

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Wate	erway	Bank	Unit Miles	Inspection Start/End	Inspector	
Unit No. 01 C	herokee Canal	Right	18.87	10/31/2013 10/31/2013	Bob Duffey	
Levee Mile Start End Category Item	*** Action/Commer	t		GPS Latitude/L	Longitude Issue No. End Photo	
4.42 4.42 Supplemental DWR UCIP Field Study	crossing was listed in the USACE Pe report (Corp's inspect ID#USACE_CESPK_M13D_2011_p_FIELD_STRUCT_DESC: 36-inch condrainpipe through the levee, 9.1 feet Flap gate on the waterward end. Slidend. Concrete "U" headwalls on both	: Non-Urgent stus: Found ents: Minor debris on landside inlet. This is listed in the USACE Periodic Inspection is inspect (CESPK_M13D_2011_p_0189) UCT_DESC: 36-inch corrugated metal ough the levee, 9.1 feet below The crown. The waterward end. Slide gate on landward the "U" headwalls on both ends (USACE-entry matches the Drainage or Irrigation derenced in O&M manual (HLM 4.43).				
126 4.42 4.42 Supplemental DWR UCIP	LS M Inspector Comments: FS_ID:15759			DWR ID: DWR_MA001	3_01_f _ 2013_136 9.537516 ° 137	
Field Study	En EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Minor debris on lar crossing was listed in the USACE Pe report as Corp's inspect ID#USACE_CESPK_M13D_2011_p and grass blocking WS and LS.7/15// inspection. FIELD_STRUCT_DESC: 36-inch cor drainpipe through the levee, 9.1 feet I Flap gate on the waterward end. Slide end. Concrete "U" headwalls on both 1960). This entry matches the Draina Structure referenced in O&M manual FS Date: 7/16/2013 7:47:30 AM	iodic Inspe 0189 for se 013 Same ugated mei elow The co gate on la ends (USA ge or Irrigal	This ction diment e as last crown. Indivard CE-ction	-121.707580 ° -12	1.707580° Y	
**	LS M Inspector Comments: FS_ID:5395			39.537516° 3	9.537516° 138	
Field Study	En EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Minor debris on lar crossing was listed in the USACE Pe report as Corp's inspect ID#USACE_CESPK_M13D_2011_p_ and grass blocking WS and LS. FIELD_STRUCT_DESC: 36-inch cor drainpipe through the levee, 9.1 feet Flap gate on the waterward end. Slide end. Concrete "U" headwalls on both 1960). This entry matches the Draina Structure referenced in O&M manual FS Date: 4/18/2012 11:17:00 AM	iodic Inspe 0189 for se ugated met elow The c gate on la ends (USA ge or Irrigat	This ction diment ral rrown. ndward CE-	-121.707580 ° -12		
				DWR ID: DWR_MA001	3_01_f _ 2013_138	

* Location LS : Land Side WS : Water Side CR : Crown ** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Mainter

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

			W	aterwa		Bank	Unit Miles	Inspection Start/End	Inspecto	or	
			Unit No. 01	Cher	oke	e Canal	Right	18.87	10/31/2013 10/31/2013	Bob Duffey	
Lev No. Sta	vee Mile	Category	Item	Location	Rating	Action/Comment			GPS Latitude/I	Lorigitude	No. Photo
128 4.	93 4.9	3 Supplementa	I DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:5396 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Burrow activity near choles present on WS slope. FIELD_STRUCT_DESC: 24-inch corrug drainpipe through the levee 7.7 feet belogate on the waterward end. Slide gate o Concrete "U" headwalls on both ends (UThis entry matches the Drainage or Irrig referenced in O&M manual (HLM 4.94). FS Date: 4/18/2012 11:23:00 AM	ated met bw the cro n landwa ISACE-19	ourrow al own. Flap rd end. 960).	39.530220 ° 3 121.707940 ° -12	1.707940°	139 Y
129 4.9	93 4.93	3 Supplementa	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:4520 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Burrow activity near choles present on WS slope. FIELD_STRUCT_DESC: 24-inch corrug drainpipe through the levee 7.7 feet belogate on the waterward end. Slide gate on Concrete "U" headwalls on both ends (UThis entry matches the Drainage or Irrig referenced in O&M manual (HLM 4.94). FS Date: 4/18/2012 11:23:00 AM	ated met bw the cro n landwa ISACE-19	ourrow al own. Flap rd end. 960).		9.530220 ° 1.707940 °	140
130 4.	93 4.93	3 Supplementa	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:5461 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Burrow activity near c holes present on WS slope. FIELD_STRUCT_DESC: 24-inch corrug drainpipe through the levee 7.7 feet belc gate on the waterward end. Slide gate o Concrete "U" headwalls on both ends (U This entry matches the Drainage or Irrig referenced in O&M manual (HLM 4.94). FS Date: 4/18/2012 11:23:00 AM	ated met ow the cro n landwa ISACE-19	ourrow al own. Flap rd end. 960).	39.530220° 3 121.707940° -12	9.530220 ° 1.707940 °	141

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

DWR ID: DWR_MA0013_01_f _ 2013_141

Flood Control Project Maintenance Levee Inspections

Levee Inspection Report By Mile - Fall 2013

Wate	erway		Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 C	heroke	e Canal	Right	18.87	10/31/2013 10/31/2013	Bob Duffey
Levee Mile Category Itom	Rat	A - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -			GPS Latitude/	Longitude Issue
Start End Category Item	Rating ** + Location	Action/Comment			Start	End Photo
131 5.42 5.42 Supplemental DWR UCIP Field Study	LS M En	Inspector Comments: FS_ID:15761 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Minor vegetation on Licrossing was listed in the USACE Period report as Corp's inspect ID#USACE_CESPK_M13D_2011_p_02iview of gates.7/15/2013 Same as last if FIELD_STRUCT_DESC: 24-inch corrug drainpipe through the levee, 8.4 feet beld Flap gate on the waterward end. Slide galandward end. Concrete "U" headwalls of (USACE-1960). This entry matches the Irrigation Structure referenced in O&M mFS Date: 7/16/2013 7:58:51 AM	dic Inspection O4 for results A spection ated meta ow the cru ate on the n both er Drainage	This tition triction al own. e ods	39.523236° 3	9.523236° 142 11.707650°
		13 Date. 1/10/2013 1.30.31 AW			DWR ID: DWR_MA00	13_01_f _ 2013_142
132 5.42 5.42 Supplemental DWR UCIP Field Study	LS M En	Inspector Comments: FS_ID:4521 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Minor vegetation on Li crossing was listed in the USACE Period report as Corp's inspect ID#USACE_CESPK_M13D_2011_p_02 view of gates. FIELD_STRUCT_DESC: 24-inch corrug drainpipe through the levee, 8.4 feet belof Flap gate on the waterward end. Slide ga landward end. Concrete "U" headwalls o (USACE-1960). This entry matches the la Irrigation Structure referenced in O&M m FS Date: 4/18/2012 11:27:00 AM	dic Inspectors ated metabow the create on the on both er Drainage	This striction all own.	39.523236° 3	9.523236° 143 1.707650°
		10 Bate. 4/10/2012 11:27:30 7tw			DWR ID: DWR_MA00	13_01_f _ 2013_143
133 5.42 5.42 Supplemental DWR UCIP Field Study	LS M En	Inspector Comments: FS_ID:4004 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Minor vegetation on Li crossing was listed in the USACE Period report (Corp's inspect ID#USACE_CESPK_M13D_2011_p_02 FIELD_STRUCT_DESC: 24-inch corrug drainpipe through the levee, 8.4 feet bele Flap gate on the waterward end. Slide ga landward end. Concrete "U" headwalls of (USACE-1960). This entry matches the I Irrigation Structure referenced in O&M m FS Date: 4/18/2012 11:27:00 AM	dic Inspectors O4) ated metalow the create on the on both er Drainage	This tion al own. e ds or	39.523236 ° 3 121.707654 ° -12	9.523236° 144 1.707654°
		TO Date. THE TOTAL TELEFORM			DWR ID: DWR_MA00	13_01_f _ 2013_144

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

W	aterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01	Cherokee Canal	Right	18.87	10/31/2013 10/31/2013	Bob Duffey
Levee Mile Start End Category Item	Coation/Pating Action/Comme	nt		GPS Latitude/I	Longitude Issue No. End Photo
134 5.42 5.42 Supplemental DWR UCIP Field Study	LS M Inspector Comments: FS_ID:5668 En EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Minor vegetation of crossing was listed in the USACE Pereport as Corp's inspect ID#USACE_CESPK_M13D_2011_p. view of gates. FIELD_STRUCT_DESC: 24-inch cordinal drain of the waterward end. Slid landward end. Concrete "U" headwal (USACE-1960). This entry matches of Irrigation Structure referenced in O&FS Date: 4/18/2012 11:27:00 AM	riodic Inspe _0204 for re rugated me below the c e gate on the ls on both e he Drainage	This ction striction tal rown. e nds	39.523236° 3 -121.707650° -12	9.523236° 145 1.707650° Y
135 5.42 5.42 Supplemental DWR UCIP Field Study	LS U Inspector Comments: FS_ID:3997 En EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: Minor vegetation of crossing was listed in the USACE Pereport (Corp's inspect ID#USACE_CESPK_M13D_2011_p FIELD_STRUCT_DESC: 24-inch cordinal properation of the content	riodic Insperiodic	This ction tal rown. e nds	DWR ID: DWR_MA00* 39.523236 ° 3 -121.707654 ° -12	9.523236° 146 1.707654°
136 5.42 5.42 Supplemental DWR UCIP Field Study	LS M Inspector Comments: FS_ID:5397 En EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Minor vegetation of crossing was listed in the USACE Pereport as Corp's inspect ID#USACE_CESPK_M13D_2011_p. view of gates. FIELD_STRUCT_DESC: 24-inch cordinal properties on the waterward end. Slid landward end. Concrete "U" headwal (USACE-1960). This entry matches the Irrigation Structure referenced in O&FS Date: 4/18/2012 11:27:00 AM	riodic Inspe 0204 for re rugated me below the c e gate on th is on both e he Drainage	This ction striction tal rown. e nds	39.523236° 3 -121.707650° -12	

* Location LS: Land Side WS : Water Side CR : Crown Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

				Wa	terwa		Bank	Unit Miles	Inspection Start/End	Inspec	ctor	
				Unit No. 01 0	Cher	oke	e Canal	Right	18.87	10/31/2013 10/31/2013	Bob Duffe	
LMR	Levee	Mile			Loca	, Rai				GPS Latitude/L	ongitude	Issue No.
No.	Start	End	Category	Item	Location	Rating ** +	Action/Comment			Start	End	Photo
137	5.43	5.43	Supplementa	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:3996 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Minor vegetation on L crossing was listed in the USACE Perior report (Corp's inspect ID#USACE_CESPK_M13D_2011_p_02 FIELD_STRUCT_DESC: 24-inch corrug drainpipe through the levee, 8.4 feet bel Flap gate on the waterward end. Slide g landward end. Concrete "U" headwalls of (USACE-1960). This entry matches the Irrigation Structure referenced in O&M m FS Date: 4/18/2012 11:27:00 AM	dic Inspectors 04) ated metalow the cruate on the cruate on the cruate on the cruate on poth errors 0 on both errors	This stion all own. ends or	39.523236° 3 121.707654° -12		
138	5.47	5.47	Supplementa	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:4522 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection on slopes due to dense vegetation. Need p and cleared slopes. FIELD_STRUCT_DESC: 24-inch corrug drainpipe through the levee, 8.6 feet bel- Flap gate on the waterward end. Concre an both ends (USACE-1960). This entry Drainage or Irrigation Structure referenc manual (HLM 5.48). FS Date: 4/18/2012 11:30:00 AM	hotos of one ated metalow the crule "U" he matches	LS overview al own. adwalls the	39.522566 ° 3 121.707560 ° -12	9.522566 ° 1.707560 °	149
139	5.47	5.47	Supplementa	DWR UCIP Field Study	LS		Inspector Comments: FS_ID:4840 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection on slopes due to dense vegetation. Need p slopes. FIELD_STRUCT_DESC: 24-inch corrug drainpipe through the levee, 8.6 feet bel Flap gate on the waterward end. Concre an both ends (USACE-1960). This entry Drainage or Irrigation Structure referenc manual (HLM 5.48). FS Date: 4/18/2012 11:30:00 AM	hotos of one ated metalow the cruent the "U" he matches	LS cleared al own. adwalls the	39.522566° 3 121.707560°-12	9.522566 ° 1.707560 °	

* Location LS : Land Side WS : Water Side CR : Crown * Rating

A : Acceptable

M : Minimally Acceptable

U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type Ma : Mainter

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement DWR ID: DWR_MA0013_01_f _ 2013_150

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

	Waterway		Bank	Unit Miles	Inspection Start/End	Inspector
U	Jnit No. 01 Cheroke	ee Canal	Right	18.87	10/31/2013 10/31/2013	Bob Duffey
Levee Mile Start End Category	Rating *** tocation	Action/Comment			GPS Latitude/L	ongitude Issue No. End Photo
140 5.47 5.47 Supplemental DV		Inspector Comments: FS_ID:5669 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection on slopes due to dense vegetation. Need pl slopes. FIELD_STRUCT_DESC: 24-inch corrug drainpipe through the levee, 8.6 feet bele Flap gate on the waterward end. Concre an both ends (USACE-1960). This entry Drainage or Irrigation Structure reference manual (HLM 5.48). FS Date: 4/18/2012 11:30:00 AM	notos of cated meta ow the crute "U" he matches	LS cleared al own. adwalls the		9.522566 ° 151 1.707560 °
141 5.47 5.47 Supplemental DV Fie		Inspector Comments: FS_ID:5398 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection on slopes due to dense vegetation. Need pl slopes. FIELD_STRUCT_DESC: 24-inch corrug drainpipe through the levee, 8.6 feet bel Flap gate on the waterward end. Concre an both ends (USACE-1960). This entry Drainage or Irrigation Structure reference manual (HLM 5.48). FS Date: 4/18/2012 11:30:00 AM	notos of cated meta ow the crute "U" he matches	LS cleared al own. adwalls the	39.522566 ° 39.121.707560 ° -12	9.522566° 152 1.707560°
142 5.47 5.47 Supplemental DV Fie	WR UCIP LS M ield Study En	Inspector Comments: FS_ID:4005 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection on slopes due to dense vegetation. FIELD_STRUCT_DESC: 24-inch corrug drainpipe through the levee, 8.6 feet bele	ated met	LS al own.	39.522566° 39.522556° -12°	9.522566° 153 1.707555°

* Location

LS: Land Side

WS: Water Side

CR: Crown

Thursday, December 12, 2013 15:02

* Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

manual (HLM 5.48).

FS Date: 4/18/2012 11:30:00 AM

+ Issue Type
Ma : Mainter

Flap gate on the waterward end. Concrete "U" headwalls an both ends (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence
En : Enforcement

DWR ID: DWR_MA0013_01_f _ 2013_153

Flood Control Project Maintenance Levee Inspections

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Inspection Start/End	Inspec	tor			
Unit No. 01 Cheroke	ee Canal	Right	18.87	10/31/2013 10/31/2013	Bob Duffe	
Levee Mile Start End Category Item	Action/Comment			GPS Latitude/L	ongitude End	Issue No. Photo
143 5.48 5.48 Supplemental DWR UCIP LS U Field Study En	iphon onduits below is closed te "U" boards ound Drainage (HLM					
144 5.53 5.53 Supplemental DWR UCIP LS M Field Study En	Inspector Comments: FS_ID:3863 EP_NO: 5180 Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: FIELD_STRUCT_DESC: Temporary roa crossing, original plans were for a four p inches high by 36 inches wide and 14 fe structure varies and is defined each yea Pacific Gas and Electric Company. Stru be constructed after April and to be rem October 15th of each year. (Permit No. 5 FS Date: 4/18/2012 11:47:00 AM	ipe arche et long. S Ir by the a cture is a oved befo	ter s, 22 Size of pplicant, llowed to	39.521380 ° 3 121.707730 ° -12	1.707730°	Y
145 5.55 5.55 Supplemental DWR UCIP LS U Field Study En	Inspector Comments: FS_ID:4010 EP_NO: 5180 Repair Type: Urgent Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: Temporary roacrossing, original plans were for a four pinches high by 36 inches wide and 14 festructure varies and is defined each year Pacific Gas and Electric Company. Strube constructed after April and to be rem October 15th of each year. (Permit No. 55 Date: 4/18/2012 11:47:00 AM	ipe arche et long. S r by the a cture is a oved befo	ter s, 22 Size of pplicant, llowed to		9.521380 ° 1.707730 °	156

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

				Unit Miles	Inspection Start/End	Inspec	tor					
				Unit No. 01 C	her	oke	e Canal	Right	18.87	10/31/2013 10/31/2013	Bob Duffe	
LMR No.	Levee	Mile End	Category	Item	Location	Rating	Action/Comment			GPS Latitude/I	ongitude End	Issue No. Photo
146	5.72	5.72	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:5949 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: High sedimentation but the LS headwall. Limited inspection due to con WS and LS slope. Need photo of clesslopes. This crossing was listed in the Use Inspection report as Corp's inspect ID#USACE_CESPK_M13D_2011_p_0210 is submerged. FIELD_STRUCT_DESC: 24-inch corrug drainpipe through the levee, 9.2 feet belief pagate on the waterward end. Concre on both ends (USACE-1960). This entry Drainage or Irrigation Structure referencemanual (HLM 5.73). FS Date: 4/18/2012 11:49:00 AM	lense veg ared WS SACE Pe for WS ga ated met bow the cr te "U" he matches	WS and getation and LS eriodic ate al own. adwalls the	.121.709030 ° -12		
147	5.72	5.72	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:5948 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: High sedimentation bit LS headwall. Will need to clear sedimentiates. Limited inspection due to dense wand LS slope. Need photo of cleared W3 This crossing was listed in the USACE Freport as Corp's inspect ID# USACE_CESPK_M13D_2011_p_0210 for submerged. FIELD_STRUCT_DESC: 24-inch corrug drainpipe through the levee, 9.2 feet belief lap gate on the waterward end. Concret on both ends (USACE-1960). This entry Drainage or Irrigation Structure reference manual (HLM 5.73). FS Date: 4/18/2012 11:49:00 AM	t build up egetation S and LS Periodic II for WS ga ated met bw the cr te "U" he matches	WS and on both on WS slopes. Inspection ate all own. adwalls the	DWR ID: DWR_MA00 39.519212 ° 3 121.709030 ° -12	9.519212 ° 1.709030 °	158

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

				Wa	terwa	ıy		Bank	Unit Miles	Inspection Start/End	Inspector
				Unit No. 01 C	her	oke	e Canal	Right	18.87	10/31/2013 10/31/2013	Bob Duffey
LMR No.	Levee	Mile End	Category	Item	Location	Rating ** +	Action/Comment			GPS Latitude/L	ongitude Issue No. End Photo
148	5.72	5.72	Supplementa	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:5947 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: High sedimentation but LS headwall. Limited inspection due to con WS and LS slope. Need photo of cleaslopes. This crossing was listed in the User Inspection report as Corp's inspect ID#USACE_CESPK_M13D_2011_p_0210 for submerged. FIELD_STRUCT_DESC: 24-inch corrug drainpipe through the levee, 9.2 feet belief lap gate on the waterward end. Concre on both ends (USACE-1960). This entry Drainage or Irrigation Structure reference manual (HLM 5.73). FS Date: 4/18/2012 11:49:00 AM	lense veg ared WS SACE Pe for WS ga ated met bow the cr te "U" he matches	WS and getation and LS eriodic ate al own. adwalls the	39.519212 ° 3: 121.709030 ° -12	
149	5.72	5.72	Supplementa	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:5403 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection due vegetation on WS and LS slope. High se up at WS and LS headwall. Need photo and LS slopes. This crossing was listed Periodic Inspection report as Corp's insp USACE_CESPK_M13D_2011_p_0210 f submerged. FIELD_STRUCT_DESC: 24-inch corrug drainpipe through the levee, 9.2 feet bele Flap gate on the waterward end. Concre on both ends (USACE-1960). This entry Drainage or Irrigation Structure reference manual (HLM 5.73). FS Date: 4/18/2012 11:49:00 AM	edimentar of cleare in the US pect ID# for WS ga ated met bow the cr te "U" he matches	e tion build d WS SACE ate al own. adwalls the	39.519212° 3: 121.709030° -12	

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

				Wa	Unit Miles	Inspection Start/End	Inspec	ctor				
				Unit No. 01 C	her	oke	e Canal	Right	18.87	10/31/2013 10/31/2013	Bob Duffe	
LMR No.	Levee N	Mile End	Category	Item	Location	Rating	Action/Comment			GPS Latitude	e/Longitude End	Issue No. Photo
Field Study En EP_NO: N/A -121.709025 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection due to dense vegetation on WS and LS slope. High sedimentation build up at inlet. This crossing was listed in the USACE Periodic Inspection report (Corp's inspect ID# USACE_CESPK_M13D_2011_p_0210) FIELD_STRUCT_DESC: 24-inch corrugated metal drainpipe through the levee, 9.2 feet below the crown. Flap gate on the waterward end. Concrete "U" headwalls on both ends (USACE-1960).This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 5.73). FS Date: 4/18/2012 11:49:00 AM								39.519212° -121.709025°				
151	5.72	5.72	Supplemental	DWR UCIP Field Study	LS	M	Inspector Comments: FS_ID:5464 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: High sedimentation by LS headwall. Limited inspection due to con WS and LS slope. Need photo of clesslopes. This crossing was listed in the Use Inspection report as Corp's inspect ID# USACE_CESPK_M13D_2011_p_0210 is submerged. FIELD_STRUCT_DESC: 24-inch corrug drainpipe through the levee, 9.2 feet bell Flap gate on the waterward end. Concre on both ends (USACE-1960). This entry Drainage or Irrigation Structure reference manual (HLM 5.73). FS Date: 4/18/2012 11:49:00 AM	dense veg ared WS SACE Pe for WS ga ated met ow the cr te "U" he matches	WS and getation and LS eriodic ate al own.	39.519212° -121.709030° -		

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

W	aterway		Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01	Cheroke	e Canal	Right	18.87	10/31/2013 10/31/2013	Bob Duffey
Levee Mile Start End Category Item	Rating ** + Location **	Action/Comment			GPS Latitude/l	Longitude Issue No. End Photo
152 5.72 5.72 Supplemental DWR UCIP Field Study	LS M En	Inspector Comments: FS_ID:5952 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: High sedimentation but LS headwall. Limited inspection due to don WS and LS slope. Need photo of cleaslopes. This crossing was listed in the Uspection report as Corp's inspect ID#USACE_CESPK_M13D_2011_p_0210 fsubmerged. FIELD_STRUCT_DESC: 24-inch corruging drainpipe through the levee, 9.2 feet belowed Flap gate on the waterward end. Concresion both ends (USACE-1960). This entry Drainage or Irrigation Structure reference manual (HLM 5.73). FS Date: 4/18/2012 11:49:00 AM	ense vegared WS SACE Per or WS gareated met ow the cr te "U" he matches	WS and getation and LS eriodic ate al own. adwalls	39.519212 ° 3 121.709030 ° -12	
153 5.72 5.72 Supplemental DWR UCIP Field Study	LS M En	Inspector Comments: FS_ID:5946 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: High sedimentation but to don WS and LS slope. Need photo of cleasopes. This crossing was listed in the Use Inspection report as Corp's inspect ID#USACE_CESPK_M13D_2011_p_0210 f submerged. FIELD_STRUCT_DESC: 24-inch corrugation gate on the waterward end. Concresion both ends (USACE-1960). This entry is Drainage or Irrigation Structure reference manual (HLM 5.73). FS Date: 4/18/2012 11:49:00 AM	ense veg ared WS SACE Pe or WS ga ated met bw the cr te "U" he matches	WS and getation and LS eriodic ate al own. adwalls the	39.519212° 3 121.709030° -12	1.709030° Y

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

	٧	Vaterway		Bank	Unit Miles	Inspection Start/End	Inspector
	Unit No. 01	Cheroke	ee Canal	Right	18.87	10/31/2013 10/31/2013	Bob Duffey
Levee Mile Start End Cate	gory Item	Rating ** + Location *	Action/Comment			GPS Latitude/L	ongitude Issue No. End Photo
	mental DWR UCIP Field Study	LS M En	Inspector Comments: FS_ID:5944 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: High sedimentation bu LS headwall. Limited inspection due to con WS and LS slope. Need photo of clestopes. This crossing was listed in the User Inspection report as Corp's inspect ID# USACE_CESPK_M13D_2011_p_0210 for submerged. FIELD_STRUCT_DESC: 24-inch corrugdrainpipe through the levee, 9.2 feet belief pate on the waterward end. Concreton both ends (USACE-1960). This entry Drainage or Irrigation Structure reference manual (HLM 5.73). FS Date: 4/18/2012 11:49:00 AM	dense vegared WS SACE Per for WS gareated metrow the crument of the second control of th	WS and getation and LS eriodic ate al own. adwalls the		9.519212 ° 165 1.709030 °
155 5.72 5.72 Supple	mental DWR UCIP Field Study	LS M En	Inspector Comments: FS_ID:15770 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: High sedimentation but Sheadwall. Limited inspection due to con WS and LS slope. Need photo of clesslopes. This crossing was listed in the Use Inspection report as Corp's inspect ID# USACE_CESPK_M13D_2011_p_0210 for submerged.7/15/2013 Slopes have bee vegetation and are in good condition. We flapgate are fully covered in debris and reduced to clear. FIELD_STRUCT_DESC: 24-inch corrugularinpipe through the levee, 9.2 feet bell Flap gate on the waterward end. Concretion both ends (USACE-1960). This entry Drainage or Irrigation Structure reference manual (HLM 5.73).	dense veg ared WS SACE Pe for WS ga in cleared /S headw not visible ated meta ow the crute "U" he matches	WS and getation and LS eriodic ate if of reall and e. Need allown. adwalls the	39.519212° 3 121.709030° -12	9.519212° 166

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

FS Date: 7/16/2013 8:27:13 AM

DWR ID: DWR_MA0013_01_f _ 2013_166

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cherokee Canal	Right	18.87	10/31/2013 10/31/2013	Bob Duffey
Levee Mile Category Item Start End Category Action/Comment	1		GPS Latitude/	Longitude Issue No. End Photo
156 5.72 Supplemental DWR UCIP Field Study Signature Field Study En	o dense ve- leared WS USACE P # 0 for WS g een cleared WS heady d not visible ugated met elow the correte "U" he ry matches	WS and getation and LS eriodic ate d of wall and e. Need tal rown.	39.519212 ° ° ° ;-121.709030 ° -12	
157 5.72 Supplemental DWR UCIP Field Study LS M Inspector Comments: FS_ID:4541 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection of vegetation on WS and LS slope. High up at WS and LS headwall. Need photo and LS slopes. This crossing was liste Periodic Inspection report as Corp's in USACE_CESPK_M13D_2011_p_0210 submerged. FIELD_STRUCT_DESC: 24-inch corru drainpipe through the levee, 9.2 feet b Flap gate on the waterward end. Condon both ends (USACE-1960).This entre Drainage or Irrigation Structure reference manual (HLM 5.73). FS Date: 4/18/2012 11:49:00 AM	sedimenta to of cleared d in the US spect ID# D for WS g ugated met elow the corete "U" he y matches	ee tion build d WS SACE ate tal rown.	39.519212° 3-121.709030° -12	39.519212 ° 168 21.709030 °

* Location LS: Land Side WS: Water Side CR: Crown ** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Mainter

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

		Unit Miles	Inspection Start/End	Inspec	tor						
			Unit No. 01 C	Cher	oke	e Canal	Right	18.87	10/31/2013 10/31/2013	Bob Duffe	
Levee		Category	Item	Location *	Rating	Action/Comment			GPS Latitude/I	ongitude End	Issue No. Photo
158 5.96	Field Study Sign Supplemental DWR UCIP Field Study Sign Supplemental DWR UCIP Field Study Sign Sign Status Field Study Sign Sign Status Fign Sign Status Fign Sign Status Fign Sign Status Found UCIP Comments: Burrow activity near crossing; burrow holes present on LS FIELD_STRUCT_DESC: 24-inch corrugated metal drainpipe through the levee, 6.2 feet below the crown. Flap gate on the waterward end. Slide gate on the landward end. Concrete "U" headwalls on both ends (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 5.97) FS Date: 4/18/2012 11:24:00 AM									9.516059 ° 1.710806 °	169
159 5.96	5.96 5	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:4542 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Burrow activity near concluded to the control of the	ated met ow the cr ate on the on both e Drainage	ourrow al own. e nds or	39.516059 ° 3 121.710810 ° -12	1.710810 °	
160 5.96	5.96 \$	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:5465 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Burrow activity near conclusion of the comments o	ated met ow the cr ate on the on both e Drainage	ourrow al own. e nds or		9.516059 ° 1.710810 °	171

Levee Inspection Report By Mile - Fall 2013

				Waterv	/ay		Bank	Unit Miles	Inspection Start/End	Inspec	ctor
			Unit No. 0	1 Che	rok	ee Canal	Right	18.87	10/31/2013 10/31/2013	Bob Duffe	
Levee		tegory	Item	+ Cocarion	Rating	Action/Comment			GPS Latitude	/Longitude End	Issue No. Photo
161 5.96			DWR UCIP Field Study	LS	'	Inspector Comments: FS_ID:15771 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Burrow activity near choles present on LS.7/15/2013 Same a FIELD_STRUCT_DESC: 24-inch corrug drainpipe through the levee, 6.2 feet bel Flap gate on the waterward end. Slide g landward end. Concrete "U" headwalls (USACE-1960). This entry matches the Irrigation Structure referenced in O&M n FS Date: 7/16/2013 8:29:56 AM	is last instrated metrow the create on the on both e Drainage	ourrow pection. al own. e nds or	39.516059 ° 121.710810 ° -1	39.516059 ° 21.710810 °	
162 5.96	5.96 Supp		DWR UCIP Field Study	LS	S M En	Inspector Comments: FS_ID:5404 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Burrow activity near choles present on LS. FIELD_STRUCT_DESC: 24-inch corrug drainpipe through the levee, 6.2 feet bel Flap gate on the waterward end. Slide g landward end. Concrete "U" headwalls (USACE-1960). This entry matches the Irrigation Structure referenced in O&M n FS Date: 4/18/2012 11:24:00 AM	ated met ow the cr ate on the on both e Drainage	ourrow al own. e nds or	DWR ID: DWR_MA0 39.516059 ° 121.710810 ° -1	39.516059 ° 21.710810 °	173 Y
163 6.33	6.33 Supp		DWR UCIP Field Study	LS	6 M En	Inspector Comments: FS_ID:15773 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: LS slide gate is buried visible on LS toe. Limited inspection on dense vegetation.7/15/2013 WS slope cleared of vegetation and is in good con gate is still buried. FIELD_STRUCT_DESC: 24-inch corrug drainpipe through the levee, 7.4 feet bel Flap gate on the waterward end. Slide g landward end. Concrete "U" headwalls of (USACE-1960). This entry matches the Irrigation Structure referenced in O&M in FS Date: 7/16/2013 8:32:47 AM	WS slope has been dition. LS atted met ow the crate on the on both er Drainage	not e due to S screw al own. e nds or	121.713620°-1		
									DWR ID: DWR_MA0	013_01_f _ 2013_	_174

Levee Inspection Report By Mile - Fall 2013

			Wa	terwa	ay		Bank	Unit Miles	Inspection Start/End	Inspector
			Unit No. 01 (Cher	oke	e Canal	Right	18.87	10/31/2013 10/31/2013	Bob Duffey
Lev No. Sta	vee Mile	Category	Item	Location	Rating	Action/Comment			GPS Latitude/L	ongitude Issu No End Pho
164 6.	33 6.33	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:15772 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: LS slide gate is buried visible on LS toe. Limited inspection on dense vegetation.7/15/2013 WS slope cleared of vegetation and is in good con gate is still buried. FIELD_STRUCT_DESC: 24-inch corrug drainpipe through the levee, 7.4 feet bel Flap gate on the waterward end. Slide g landward end. Concrete "U" headwalls of (USACE-1960). This entry matches the Irrigation Structure referenced in O&M in FS Date: 7/16/2013 8:31:25 AM	WS slope has been dition. LS atted meta ow the cruate on the on both er Drainage	not e due to S screw al own. e nds or	.121.713620 ° -12	
165 6.	33 6.33	Supplemental	DWR UCIP Field Study	LS		Inspector Comments: FS_ID:5405 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection on dense vegetation. LS slide gate is buried visible on LS toe. FIELD_STRUCT_DESC: 24-inch corrug drainpipe through the levee, 7.4 feet bel Flap gate on the waterward end. Slide g landward end. Concrete "U" headwalls of (USACE-1960). This entry matches the Irrigation Structure referenced in O&M in FS Date: 4/18/2012 11:18:00 AM	d. Pipe is ated meta ow the create on the on both er Drainage	e due to not al own. e nds or	DWR ID: DWR_MA001 39.511337 ° 38 -121.713620 ° -12	9.511337° 17 1.713620°
166 6.	33 6.33	Supplemental	DWR UCIP Field Study	LS		Inspector Comments: FS_ID:5466 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: LS slide gate is buried visible on LS toe. Limited inspection on dense vegetation. FIELD_STRUCT_DESC: 24-inch corrug drainpipe through the levee, 7.4 feet bel Flap gate on the waterward end. Slide g landward end. Concrete "U" headwalls of (USACE-1960). This entry matches the Irrigation Structure referenced in O&M in FS Date: 4/18/2012 11:18:00 AM	WS slope ated meta ow the create on the on both er Drainage	not e due to al own. e nds or	39.511337 ° 39.511337 ° 39.511337 ° 39.511337 ° 39.511337 ° 39.5123	9.511337° 17
						1 5 Bato. 7/10/2012 11.10.00 AW			DWR ID: DWR_MA001	3_01_f _ 2013_177

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank Unit N			Start/End '			
Unit No. 01 Cherokee (Canal	18.87	10/31/2013 10/31/2013	Bob Duffey			
Levee Mile Category Item Start End Category	Action/Comment			GPS Latitude/I	Longitude Issue No. End Photo		
167 6.33 6.33 Supplemental DWR UCIP LS M Ins Field Study En EF Re Cr UC de vis FIII dra Fie Iar (U Irri	spector Comments: FS_ID:4017 P_NO: N/A epair Type: Non-Urgent ossing Status: Found CIP Comments: Limited inspection on ense vegetation. LS slide gate is buried sible on LS toe. ELD_STRUCT_DESC: 24-inch corrug ainpipe through the levee, 7.4 feet bel ap gate on the waterward end. Slide g ndward end. Concrete "U" headwalls of SACE-1960). This entry matches the igation Structure referenced in O&M m S Date: 4/18/2012 11:18:00 AM	d. Pipe is ated meta ow the croate on the on both er Drainage	e due to not al own. e nds or	39.511337° 3 121.713616° -12	9.511337° 178 1.713616° Y		
Field Study En EF Re Cr UC de FII dra Fla lar (U	spector Comments: FS_ID:4014 P_NO: N/A epair Type: Non-Urgent rossing Status: Found CIP Comments: Limited inspection on ense vegetation. LS slide gate is buried ELD_STRUCT_DESC: 24-inch corrug ainpipe through the levee, 7.4 feet bel ap gate on the waterward end. Slide g ndward end. Concrete "U" headwalls of ISACE-1960). This entry matches the igation Structure referenced in O&M m S Date: 4/18/2012 11:18:00 AM	d. ated meta ow the cre ate on the on both er Drainage	e due to al own. e ods or	DWR ID: DWR_MA00 39.511337 ° 3 121.713616 ° -12	9.511337° 179 1.713616°		
Field Study En EF Re Cr UC vis de FII dra Fla Iar (U	spector Comments: FS_ID:5803 P_NO: N/A pair Type: Non-Urgent rossing Status: Found CIP Comments: LS slide gate is buried sible on LS toe. Limited inspection on sense vegetation. ELD_STRUCT_DESC: 24-inch corrug ainpipe through the levee, 7.4 feet bel ap gate on the waterward end. Slide g ndward end. Concrete "U" headwalls of SACE-1960). This entry matches the igation Structure referenced in O&M n	WS slope ated meta ow the cro ate on the on both er Drainage	not e due to al own. e ads or		9.511337 ° 180		

* Location LS: Land Side WS : Water Side CR : Crown Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

DWR ID: DWR_MA0013_01_f _ 2013_180

FS Date: 4/18/2012 11:18:00 AM

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

			Unit Miles	Inspection Start/End	Inspec	ctor					
			Unit No. 0	1 Cher	roke	ee Canal	Right	18.87	10/31/2013 10/31/2013	Bob Duffe	
Leve	e Mile	Category	Item	Location	Rating	Action/Comment			GPS Latitude	Issue No. Photo	
										End 39.511337 ° 21.713616 °	181
171 6.34	FS Date: 4/18/2012 11:18:00 AM							al own. e nds or	DWR ID: DWR_MAG 39.511337 ° 121.713616 ° -1	39.511337 ° 21.713616 °	182
172 6.34	6.34	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:3369 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrug drainpipe through the levee, 7.4 feet beli Flap gate on the waterward end. Slide g landward end. Concrete "U" headwalls of (USACE-1960). This entry matches the Irrigation Structure referenced in O&M m FS Date: 4/18/2012 11:18:00 AM	ow the cr ate on the on both er Drainage	al own. e ods or		39.511337 ° 21.713616 °	183

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

IOTIILOT & IVIAITICAITI LIT. L

DWR ID: DWR_MA0013_01_f _ 2013_183

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

									.	•		
				W	aterwa	ay		Bank	Unit Miles	Inspection Start/End	Inspec	ctor
				Unit No. 01	Cher	e Canal	Right	18.87	10/31/2013 10/31/2013		-	
LMR	Levee	Mile	Category	Item	Location *	Rating	Action/Comment			GPS Latitud	e/Longitude	NO.
No.	Start	End	cuioge.,		ion	+ 0	, 1010111 001111110111			Start	End	Photo
173	6.34	6.34	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:2949 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrug drainpipe through the levee, 7.4 feet bel- Flap gate on the waterward end. Slide g	ow the cr	al own.	39.511300° -121.713660°	39.511300 ° -121.713660 °	

(USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 6.34). FS Date: 4/18/2012 11:18:54 AM DWR ID: DWR_MA0013_01_f _ 2013_184

6.34 6.34 Supplemental DWR UCIP Field Study

6.55 6.55 Supplemental DWR UCIP

LS M Inspector Comments: FS_ID:3142 EP_NO: N/A En

39.511337 ° 39.511337 ° ¹⁸⁵ -121.713616 ° -121.713616 °

Repair Type: Non-Urgent Crossing Status: Found **UCIP Comments:**

FIELD_STRUCT_DESC: 24-inch corrugated metal drainpipe through the levee, 7.4 feet below the crown. Flap gate on the waterward end. Slide gate on the landward end. Concrete "U" headwalls on both ends (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 6.34). FS Date: 4/18/2012 11:18:00 AM

landward end. Concrete "U" headwalls on both ends

DWR ID: DWR_MA0013_01_f _ 2013_185 39.508928 ° 39.501438 °

-121.714842 ° -121.719715 °

DWR ID: DWR MA0013 01 s 2012 3

3

7.09 Earthen 175 Encroachments LS M DT: Ditch 6.51 Levee

Field Study

39.508309 ° 39.508309 ° 186 Inspector Comments: FS_ID:4016 -121.715097 ° -121.715097 ° EP_NO: 5200B

Repair Type: Non-Urgent Crossing Status: Found

LS M

UCIP Comments: Limited inspection on WS slope due to dense vegetation. Hole behind flashboards against slide gate on LS slope.

FIELD_STRUCT_DESC: 1 of 10 items under Board Order 5200, 5200A, and 5200B: 24-inch corrugated metal drainpipe through the levee, 7.8 feet below the crown. Flap gate on the waterward end. Slide gate on the landward end. Concrete head wall on both ends (Board Order 5200B-1965). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 6.56). FS Date: 4/23/2012 12:08:00 PM

DWR ID: DWR MA0013 01 f 2013 186

Location LS: Land Side WS: Water Side CR: Crown

Rating

: Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated Corrected : Acceptable but Monitor & Maintain + Issue Type

Bank Unit Miles Inspection Inspector

Flood Control Project Maintenance Levee Inspections

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

	Wa	iterway		Bank	Unit Miles	Inspection Start/End	Inspector
	Unit No. 01 (Cheroke	e Canal	Right	18.87	10/31/2013 10/31/2013	Bob Duffey
Levee Mile	Item	Rating ** + Location *	Action/Comment			GPS Latitude	NO.
Start End Category 177 6.55 6.55 Supplementa	al DWR UCIP Field Study	LS U	Inspector Comments: FS_ID:5661 EP_NO: 5200B Repair Type: Urgent Crossing Status: Found UCIP Comments: Hole behind flashboar gate on LS slope (Health and Safety Issi inspection on WS slope due to dense ve photo of cleared slope on WS. FIELD_STRUCT_DESC: 1 of 10 items uf 5200, 5200A, and 5200B: 24-inch corrug drainpipe through the levee, 7.8 feet beld Flap gate on the waterward end. Slide gi landward end. Concrete head wall on bo Order 5200B-1965). This entry matches Irrigation Structure referenced in O&M m FS Date: 4/18/2012	ue). Limit getation. Inder Boa gated me ow the crate on the the Drair	st slide ted Need ard Order tal own. e Board nage or	Start 39.508309 ° : :121.715100 ° -12	39.508309 ° 187
178 6.55 6.55 Supplements	al DWR UCIP Field Study	LS U En	Inspector Comments: FS_ID:15774 EP_NO: 5200B Repair Type: Urgent Crossing Status: Found UCIP Comments: Hole behind flashboar gate on LS slope (Health and Safety Issi inspection on WS slope due to dense ve photo of cleared slope on WS.7/15/2013 been cleared of vegetation and is in goo is still present behind flash boards on LS FIELD_STRUCT_DESC: 1 of 10 items uf 5200, 5200A, and 5200B: 24-inch corrug drainpipe through the levee, 7.8 feet belof Flap gate on the waterward end. Slide go landward end. Concrete head wall on bo Order 5200B-1965). This entry matches Irrigation Structure referenced in O&M m FS Date: 7/16/2013 8:34:48 AM	ue). Limit getation. By WS slot conditions. By ander Board me conditions the create on the the Drair	st slide ted Need pe has on. Hole ard Order tal own. e Board nage or	DWR ID: DWR_MAO(39.508309 ° ; 121.715100 ° -1;	39.508309 ° 188 21.715100 °
179 6.55 6.55 Supplements	al DWR UCIP Field Study	LS M En	Inspector Comments: FS_ID:4544 EP_NO: 5200B Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection on dense vegetation. Hole behind flashboar gate on LS slope. Need photo of cleared FIELD_STRUCT_DESC: 1 of 10 items u 5200, 5200A, and 5200B: 24-inch corrug drainpipe through the levee, 7.8 feet below Flap gate on the waterward end. Slide ga landward end. Concrete head wall on bo Order 5200B-1965). This entry matches Irrigation Structure referenced in O&M m FS Date: 4/18/2012	ds again slope or ander Boa gated me ow the create on the other the Drair	e due to st slide n WS. ard Order tal own. e Board nage or	39.508309 ° ; 121.715100 ° -1;	

* Location LS : Land Side WS : Water Side CR : Crown ** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

Ma Ob

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Flood Control Project Maintenance Levee Inspections

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

		Wa	terway	,		Bank	Unit Miles	Inspection Start/End	Inspec	tor
		Unit No. 01 C	Chero	ke	e Canal	Right	18.87	10/31/2013 10/31/2013	Bob Duffe	
Levee Mile Start End	Category	Item	** + Location	Rating	Action/Comment			GPS Latitude/L	ongitude End	Issue No. Photo
¹⁸⁰ 6.55 6.55	5 Supplementa	DWR UCIP Field Study	LS I	M En	Inspector Comments: FS_ID:5619 EP_NO: 5200B Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Hole behind flashboar gate on LS slope. Limited inspection on dense vegetation. Need photo of clearer FIELD_STRUCT_DESC: 1 of 10 items of 5200, 5200A, and 5200B: 24-inch corrue drainpipe through the levee, 7.8 feet bel Flap gate on the waterward end. Slide g landward end. Concrete head wall on bo Order 5200B-1965). This entry matches Irrigation Structure referenced in O&M in FS Date: 4/18/2012	WS slope or under Boa gated met ow the cruate on the oth ends (the Drain	st slide e due to n WS. ard Order tal own. e Board nage or	39.508309° 39.508309° -12°	9.508309 ° 1.715100 °	190
181 6.55 6.55	5 Supplementa	DWR UCIP Field Study	LS I		Inspector Comments: FS_ID:4543 EP_NO: 5200B Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection on dense vegetation. Hole behind flashboa gate on LS slope. Need photo of cleared FIELD_STRUCT_DESC: 1 of 10 items of 5200, 5200A, and 5200B: 24-inch corrue drainpipe through the levee, 7.8 feet bel Flap gate on the waterward end. Slide g landward end. Concrete head wall on bo Order 5200B-1965). This entry matches Irrigation Structure referenced in O&M in FS Date: 4/23/2012 12:08:00 PM	rds agains I slope or under Boa gated met ow the cre ate on the oth ends (the Drain	e due to st slide n WS. ard Order tal own. e Board nage or	DWR ID: DWR_MA001 39.508309 ° 39.121.715100 ° -12	9.508309 ° 1.715100 °	191
182 6.55 6.55	5 Supplementa	DWR UCIP Field Study	LS I		Inspector Comments: FS_ID:5406 EP_NO: 5200B Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection on dense vegetation. Hole behind flashboa gate on LS slope. Need photo of cleared FIELD_STRUCT_DESC: 1 of 10 items of 5200, 5200A, and 5200B: 24-inch corrue drainpipe through the levee, 7.8 feet bel Flap gate on the waterward end. Slide g landward end. Concrete head wall on bo Order 5200B-1965). This entry matches Irrigation Structure referenced in O&M in FS Date: 4/18/2012	rds agains I slope or Inder Boa gated mel ow the cre ate on the oth ends (the Drair	e due to st slide n WS. ard Order tal own. e Board nage or	39.508309 ° 39.121.715100 ° -12		

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type
Ma : Maintena

Flood Control Project Maintenance Levee Inspections

Levee Inspection Report By Mile - Fall 2013

					Waterw		Bank	Unit Miles	Inspection Start/End	Inspec	tor	
				Unit No. 0	1 Che	roke	e Canal	Right	18.87	10/31/2013 10/31/2013	Bob Duffe	
LMR	Levee	Mile			Loca	* R				GPS Latitude/L	ongitude	Issue No.
No.	Start	End	Category	Item	-ocation *	Rating	Action/Comment			Start	End	Photo
183	6.55	6.55	Supplemental	DWR UCIP Field Study	LS	U En	Inspector Comments: FS_ID:15775 EP_NO: 5200B Repair Type: Urgent Crossing Status: Found UCIP Comments: Hole behind flashboar gate on LS slope (Health and Safety Iss inspection on WS slope due to dense ve photo of cleared slope on WS.7/15/2013 been cleared of vegetation and is in goo is still present behind flash boards on LS FIELD_STRUCT_DESC: 1 of 10 items to 5200, 5200A, and 5200B: 24-inch corrust drainpipe through the levee, 7.8 feet bel Flap gate on the waterward end. Slide g landward end. Concrete head wall on bo Order 5200B-1965). This entry matches Irrigation Structure referenced in O&M in FS Date: 7/16/2013 8:37:04 AM	ue). Limit egetation. 3 WS slo d conditions. 3 ws slo d conditions. 3 ws slo d conditions with ender House (the Drair	st slide ed Need pe has on. Hole ard Order tal own. e Board nage or	39.508309° 3 -121.715100° -12	9.508309° 1.715100°	193
184	6.55	6.55	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:5467 EP_NO: 5200B Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection on dense vegetation. Hole behind flashboar gate on LS slope. Need photo of cleared FIELD_STRUCT_DESC: 1 of 10 items to 5200, 5200A, and 5200B: 24-inch corruct drainpipe through the levee, 7.8 feet bel Flap gate on the waterward end. Slide glandward end. Concrete head wall on be Order 5200B-1965). This entry matches Irrigation Structure referenced in O&M in FS Date: 4/18/2012	rds agains of slope or under Boagated met ow the create on the other of the Drair	e due to st slide n WS. ard Order tal oown. e Board nage or	DWR ID: DWR_MA00: 39.508309 ° 3 -121.715100 ° -12	9.508309°	194
							1 0 Bate. 4/10/2012			DWR ID: DWR_MA00	13_01_f _ 2013_	194
185	6.56	6.56	Supplemental	DWR UCIP Field Study	LS	En	Inspector Comments: FS_ID:5407 EP_NO: 5200B Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Upstream location lati longitude = -121.715103. Downstream lo 39.50797, longitude = -121.71534; Woo upstream headwall. FIELD_STRUCT_DESC: 2 of 10 items u 5200, 5200A, and 5200B: 36-inch concr feet below crown. Crossing saddles land on both ends. (Board Order 5200B-1967 FS Date: 4/18/2012 11:27:00 AM	ocation la den debri under Boa ete reinfo shoulder lward slop	0.508298, titude = s on ard Order rced r, 11.1	39.508298° 3 -121.715100° -12	9.508298° 1.715100°	195 Y
										DWR ID: DWR_MA00	13_01_f _ 2013_	195

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway Bank U										Inspection Start/End	Inspec	tor
				Unit No. 01 (Cher	oke	e Canal	18.87	10/31/2013 10/31/2013	Bob Duffe		
LMR	Levee	Mile			Loca	_* Ra				GPS Latitude/	Longitude	Issue No.
No.	Start	End	Category	Item	Location *	Rating	Action/Comment			Start	End	Photo
186	6.56	Field Study En EP_NO: 5200B Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Downstream location latitude = 39.50797, longitude = -121.71534; Wooden debris on upstream headwall. FIELD_STRUCT_DESC: 2 of 10 items under Board Order 5200, 5200A, and 5200B: 36-inch concrete reinforced drain pipe through levee along landward shoulder, 11.1 feet below crown. Crossing saddles landward slope, open on both ends. (Board Order 5200B-1967) FS Date: 4/18/2012 11:27:00 AM								.121.715103 ° -12		
										DWR ID: DWR_MA00	13_01_f _ 2013_	_196
187	6.56	6.56	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:15776 EP_NO: 5200B Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Clear wooden debris of headwall. Upstream location latitude = 3 longitude = -121.715103. Downstream lo 39.50797, longitude = -121.71534; .7/15 last inspection. FIELD_STRUCT_DESC: 2 of 10 items up 5200, 5200A, and 5200B: 36-inch concrudrain pipe through levee along landward feet below crown. Crossing saddles land on both ends. (Board Order 5200B-1967 FS Date: 7/16/2013 8:40:15 AM	9.508298 pocation la /2013 Sa under Boa ete reinfo shoulder lward slo	am 3, titude = ame as ard Order rced 7, 11.1	39.508298 ° 3.121.715100 ° -12		
188	6.56	6.56	Supplemental	I DWR UCIP Field Study	LS		Inspector Comments: FS_ID:5468 EP_NO: 5200B Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Clear wooden debris of headwall. Upstream location latitude = 3 longitude = -121.715103. Downstream location latitude = -121.71534; FIELD_STRUCT_DESC: 2 of 10 items upstream properties of 10 items upstream proper	9.508298 ocation la under Boa ete reinfo shoulder ward slo	am 3, titude = ard Order rced ; 11.1	39.508298 ° 3.121.715100 ° -12		

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

		Wat	terway	y	Bank Unit Miles			Inspection Start/End	Inspector		
		Unit No. 01 C	herc	ke	e Canal	Right	18.87	10/31/2013 10/31/2013	Bob Duffey		
Leve	e Mile Category	Item	Location	Rating	Action/Comment			GPS Latitude/I	Longitude Issue No. End Photo		
189 6.56	6.56 Supplementa	DWR UCIP Field Study		M En	5200, 5200A, and 5200B: 24-inch corrug drainpipe through the levee, 7.8 feet bell Flap gate on the waterward end. Slide g landward end. Concrete head wall on bo Order 5200B-1965). This entry matches	o_NO: 5200B epair Type: Non-Urgent ossing Status: Found CIP Comments: ELD_STRUCT_DESC: 1 of 10 items under Board Order 00, 5200A, and 5200B: 24-inch corrugated metal ainpipe through the levee, 7.8 feet below the crown. ap gate on the waterward end. Slide gate on the ndward end. Concrete head wall on both ends (Board offer 5200B-1965). This entry matches the Drainage or igation Structure referenced in O&M manual (HLM 6.56)					
190 6.56	6.56 Supplementa	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:4845 EP_NO: 5200B Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Upstream location lati longitude = -121.715103. Downstream lo 39.50797, longitude = -121.71534; Woo upstream headwall. FIELD_STRUCT_DESC: 2 of 10 items u 5200, 5200A, and 5200B: 36-inch concrd drain pipe through levee along landward feet below crown. Crossing saddles land on both ends. (Board Order 5200B-1967 FS Date: 4/18/2012 11:27:00 AM	ocation la den debri under Boa ete reinfo shoulder lward slo	0.508298, titude = s on ard Order rced r, 11.1	DWR ID: DWR_MA00 39.508298 ° 3 121.715100 ° -12	9.508298 ° 200 1.715100 °		
191 6.56	6.56 Supplementa	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:4018 EP_NO: 5200B Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Downstream location 39.50797, longitude = -121.71534; Woodupstream headwall. FIELD_STRUCT_DESC: 2 of 10 items to 5200, 5200A, and 5200B: 36-inch concordrain pipe through levee along landward feet below crown. Crossing saddles land on both ends. (Board Order 5200B-1967) FS Date: 4/18/2012 11:27:00 AM	den debri under Boa ete reinfo shoulder lward slo	s on ard Order rced r, 11.1	39.508167° 3 121.715172° -12 DWR ID: DWR_MA00			

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cherokee Canal	Right	18.87	10/31/2013 10/31/2013	Bob Duffey
⊑ Levee Mile S ⋅ ₽			GPS Latitude/L	ongitude Issue

LMR No.	Levee		Category	Item	Location	Rating	Action/Comment		GPS Latitude		Issue No. Photo
192	6.56	6.56	Supplemental	DWR UCIP Field Study	LS	U En	Inspector Comments: FS_ID:4030 EP_NO: 5200B Repair Type: Urgent Crossing Status: Indicator Found UCIP Comments: 2 of 3 FIELD_STRUCT_DESC: 5 of 10 items under Board Ord 5200, 5200A, and 5200B: 72 inch diameter reinforced concrete pipeline (2 of 3) across the channel with approximately 3 feet of cover. (Board Order 5200B-1967 FS Date: 4/18/2012 11:40:00 AM	der	Start 39.508180 ° -121.715140 ° -		202 Y
193	6.56	6.56	Supplemental	DWR UCIP Field Study	LS	U En	Inspector Comments: FS_ID:4027 EP_NO: 5200B Repair Type: Urgent Crossing Status: Indicator Found UCIP Comments: FIELD_STRUCT_DESC: 6 of 10 items under Board Ord 5200, 5200A, and 5200B: 72 inch diameter reinforced concrete pipeline (3 of 3) across the channel with approximately 3 feet of cover. (Board Order 5200B-1967 FS Date: 4/18/2012 11:41:00 AM	der	39.508150 ° -121.715160 ° -		
194	6.63	6.63	Earthen Levee	Encroachments	LS	M Ma	MA : Material		39.507337 ° -121.715693 ° - DWR ID: DWR_MA	121.715693°	
195	7.09	7.09	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:4560 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection on WS and LS slopes due to dense vegetation. Need photos of cleared slopes for this crossing. LMA's inspection sheet of 2011 indicates settlement and visible corrosion. Corrosion on screw gate where it bolts to headwall. No visible signs of settlement due to high vegetation cover. FIELD_STRUCT_DESC: 24-inch corrugated metal drainpipe through the levee, 9.8 feet below the crown. Flap gate on the waterward end. Slide gate on the landward end. Concrete headwall on both ends (USACE 1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 7.10). FS Date: 4/18/2012 11:44:00 AM	i	39.501479° -121.719710° -		204
									DWR ID: DWR_MA	.0013_01_f _ 2013_	_204

* Location

LS: Land Side

WS: Water Side

CR: Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Action/Comment Start End Category Item Start End End Factor End End Factor End End End Factor End End					Wat	erwa	ay		Bank	Unit Miles	Inspection Start/End	Insped	ctor
196 7.09 7.09 7.09 Supplemental DWR UCIP Field Study Single Status: Found Supplemental DWR UCIP Field Study Supplemental DWR UCIP Field Study Supplemental DWR UCIP Field Study Supplemental DWR UCIP Comments: Limited inspection on WS and LS slopes due to dense vegetation. Need photos of cleared slopes for this crossing. LMA's inspection sheet of 2011 indicates settlement and visible corrosion. Damage/severe corrosion on screw gate where it bolts to headwall. No visible signs of settlement due to high vegetation cover. FIELD_STRUCT_DESC: 24-inch corrugated metal drainpipe through the levee, 9.8 feet below the crown. Flap gate on the waterward end. Slide gate on the landward end. Concrete headwall on both ends (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 7.10). FS Date: 4/18/2012 11:44:00 AM Inspector Comments: FS_ID:5413					Unit No. 01 C	her	oke	e Canal	Right	18.87			
196 7.09 7.09 7.09 Supplemental DWR UCIP Field Study Single Status: Found Supplemental DWR UCIP Field Study Supplemental DWR UCIP Field Study Supplemental DWR UCIP Field Study Supplemental DWR UCIP Comments: Limited inspection on WS and LS slopes due to dense vegetation. Need photos of cleared slopes for this crossing. LMA's inspection sheet of 2011 indicates settlement and visible corrosion. Damage/severe corrosion on screw gate where it bolts to headwall. No visible signs of settlement due to high vegetation cover. FIELD_STRUCT_DESC: 24-inch corrugated metal drainpipe through the levee, 9.8 feet below the crown. Flap gate on the waterward end. Slide gate on the landward end. Concrete headwall on both ends (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 7.10). FS Date: 4/18/2012 11:44:00 AM Inspector Comments: FS_ID:5413				Category	Item	Location	Rating	Action/Comment					Issue No. Photo
197 7.09 7.09 Supplemental DWR UCIP Field Study Field		7.09	7.09	Supplemental				EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection on slopes due to dense vegetation. Need p slopes for this crossing. LMA's inspectio indicates settlement and visible corrosio Damage/severe corrosion on screw gate headwall. No visible signs of settlement vegetation cover. FIELD_STRUCT_DESC: 24-inch corrug drainpipe through the levee, 9.8 feet bel Flap gate on the waterward end. Slide g landward end. Concrete headwall on bot 1960). This entry matches the Drainage Structure referenced in O&M manual (H	hotos of on sheet on. Where it due to his ated metoow the create on the or Irrigation.	LS cleared of 2011 bolts to gh al own. e JSACE- ion			
FS Date: 4/18/2012 11:44:00 AM DWR ID: DWR_MA0013_01_f _ 2013_20	197	7.09	7.09	Supplemental		LS		EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection on slopes due to dense vegetation. Need p slopes for this crossing. LMA's inspectio indicates settlement and visible corrosio Damage/severe corrosion on screw gate headwall. No visible signs of settlement vegetation cover. FIELD_STRUCT_DESC: 24-inch corrug drainpipe through the levee, 9.8 feet bel Flap gate on the waterward end. Slide g landward end. Concrete headwall on bot 1960). This entry matches the Drainage Structure referenced in O&M manual (H	hotos of on sheet on. Where it due to his ated metow the create on the or Irrigation.	LS cleared of 2011 bolts to gh al own. e JSACE- ion	39.501479° 3 121.719710° -12	9.501479° 11.719710°	206 Y

+ Issue Type
Ma : Mainter

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

	Unit Miles	Inspection Start/End	Inspector						
		Unit No. 01 C	Chero	oke	e Canal	Right	18.87	10/31/2013 10/31/2013	Bob Duffey
Levee Mil	Category	Item	Location	Rating	Action/Comment			GPS Latitude/L	ongitude Issue No. End Photo
198 7.09 7.	09 Supplementa	al DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:15782 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: LMA's inspection sheindicates settlement and visible corrosion Damage/severe corrosion on screw gate headwall. No visible signs of settlement vegetation cover. Limited inspection on due to dense vegetation. Need photos of for this crossing.7/15/2013 Slopes have vegetation and are in good condition. Ti apparent signs of settling. LS screw gate FIELD_STRUCT_DESC: 24-inch corrug drainpipe through the levee, 9.8 feet bel Flap gate on the waterward end. Slide g landward end. Concrete headwall on bot 1960). This entry matches the Drainage Structure referenced in O&M manual (H FS Date: 7/16/2013 8:48:49 AM	n. where it due to his due to his due to his due to his f cleared be been cle here were te is still d ow the cre ate on the th ends (U or Irrigati	bolts to gh LS slopes slopes eared of el no lamaged. all own.	39.501479 ° 39.501479 ° -12	
199 7.09 7.	09 Supplementa	al DWR UCIP Field Study	LS		Inspector Comments: FS_ID:5469 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: LMA's inspection sheindicates settlement and visible corrosion Damage/severe corrosion on screw gate headwall. No visible signs of settlement vegetation cover. Limited inspection on due to dense vegetation. Need photos of for this crossing. FIELD_STRUCT_DESC: 24-inch corrug drainpipe through the levee, 9.8 feet bel Flap gate on the waterward end. Slide g landward end. Concrete headwall on bot 1960). This entry matches the Drainage Structure referenced in O&M manual (H FS Date: 4/18/2012 11:44:00 AM	n. where it due to hig WS and L f cleared ated meta ow the cre ate on the th ends (U or Irrigati	bolts to gh LS slopes slopes al own.	39.501479° 39.501479° -12°	9.501479° 208 1.719710°

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement DWR ID: DWR_MA0013_01_f _ 2013_208

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

		W	aterway			Bank	Unit Miles	Inspection Start/End	Inspector			
		Unit No. 01	Cherol	ke	e Canal	Right	18.87	10/31/2013 10/31/2013	Bob Duffey			
Levee Mile Start End	Levee Mile Start End Category Item ** Action/Comment* **All is a state of the stat											
	Supplemental	DWR UCIP Field Study	LS N		Inspector Comments: FS_ID:15783 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: LMA's inspection shee indicates settlement and visible corrosio Damage/severe corrosion on screw gate headwall. No visible signs of settlement vegetation cover. Limited inspection on due to dense vegetation. Need photos of for this crossing.7/15/2013 Slopes have vegetation and are in good condition.	n. where it due to hig WS and L f cleared been cle	bolts to gh S slopes slopes eared of	39.501479 ° 121.719710 ° -1	39.501479 ° 209 21.719710 °			

Structure referenced in O&M manual (HLM 7.10). FS Date: 7/16/2013 8:51:00 AM

DWR ID: DWR_MA0013_01_f _ 2013_209

7.09 7.09 Supplemental DWR UCIP

LS M Inspector Comments: FS_ID:4032

En EP NO: N/A

Repair Type: Non-Urgent

Crossing Status: Found

UCIP Comments: Limited inspection on WS and LS slopes due to dense vegetation. LMA's inspection sheet of 2011 indicates settlement and visible corrosion. Corrosion on screw gate where it bolts to headwall. No visible signs of settlement due to high vegetation cover. FIELD_STRUCT_DESC: 24-inch corrugated metal drainpipe through the levee, 9.8 feet below the crown. Flap gate on the waterward end. Slide gate on the landward end. Concrete headwall on both ends (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 7.10). FS Date: 4/18/2012 11:44:00 AM

apparent signs of settling. LS screw gate is still damaged. FIELD_STRUCT_DESC: 24-inch corrugated metal drainpipe through the levee, 9.8 feet below the crown. Flap gate on the waterward end. Slide gate on the landward end. Concrete headwall on both ends (USACE-1960). This entry matches the Drainage or Irrigation

39.501479 ° 39.501479 ° 210 -121.719705 ° -121.719705 °

DWR ID: DWR_MA0013_01_f _ 2013_210

Location

Flood Control Project Maintenance Levee Inspections

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway		Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cherok	ee Canal	Right	18.87	10/31/2013 10/31/2013	Bob Duffey
Levee Mile Start End Category Item	Action/Comment			GPS Latitude	Longitude Issue
Start End Category Refin 6 + 6	Action/Comment			Start	End Photo
7.09 7.09 Supplemental DWR UCIP LS U Field Study En	Repair Type: Urgent Crossing Status: Found UCIP Comments: LMA's inspection shed indicates settlement and visible corrosio Damage/severe corrosion on screw gate headwall. No visible signs of settlement vegetation cover. Limited inspection on due to dense vegetation. Need photos of for this crossing. FIELD_STRUCT_DESC: 24-inch corrug drainpipe through the levee, 9.8 feet beld Flap gate on the waterward end. Slide glandward end. Concrete headwall on bot 1960). This entry matches the Drainage Structure referenced in O&M manual (HI	n. where it due to his WS and I f cleared ated met ow the cre ate on the or Irrigati	bolts to gh .S slopes slopes al own. e JSACE- on	39.501479 ° 1121.719710 ° -1	39.501479° 211 21.719710°
	FS Date: 4/18/2012 11:44:00 AM			DWR ID: DWR_MA0	013 01 f 2013 211
203 7.10 7.10 Supplemental DWR UCIP LS M Field Study En	Inspector Comments: FS_ID:2963 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Corrosion on screw ga to headwall.No visible signs of settlemer vegetation cover. FIELD_STRUCT_DESC: 24-inch corrug drainpipe through the levee, 9.8 feet bela Flap gate on the waterward end. Slide ga landward end. Concrete headwall on bot 1960). This entry matches the Drainage Structure referenced in O&M manual (HI FS Date: 4/18/2012 11:44:25 AM	ated metant to ated metant the control of the contr	it bolts high al own. e JSACE- on		39.501470 ° 212
	1 3 Date: 4/10/2012 11:44.23 AW			DWR ID: DWR_MA0	013_01_f _ 2013_212
204 7.10 7.10 Supplemental DWR UCIP LS M Field Study En	Inspector Comments: FS_ID:3225 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Corrosion on screw ga to headwall.No visible signs of settlemen vegetation cover. FIELD_STRUCT_DESC: 24-inch corrug drainpipe through the levee, 9.8 feet bela Flap gate on the waterward end. Slide ga landward end. Concrete headwall on bot 1960). This entry matches the Drainage Structure referenced in O&M manual (HI FS Date: 4/18/2012 11:44:00 AM	ated metant to the control of the co	e it bolts high al own. JSACE- on	39.501479° 121.719705° -1	39.501479 ° 213 21.719705 °
				DWR ID: DWR_MA0	013_01_f _ 2013_213

+ Issue Type

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway Bank Unit M									Unit Miles	Inspection Inspector Start/End		ctor
Unit No. 01 Cherokee Canal Right 18.87										10/31/2013 10/31/2013		
찍 -	Levee Mile Solution Category Item Category Ration Category Ration Category Categor					Rating	Action/Comment			No.		No. Photo
	7.33	7.33	Supplementa	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:4580 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection on due to dense vegetation. Need photos o during next inspection. LS slide gate ste needs repair. Confirmed flap gate on WS was listed in the USACE Periodic Inspec (Corp's inspect ID#USACE_CESPK_M1 FIELD_STRUCT_DESC: 24-inch corrug drainpipe through the levee, 11.2 feet be Flap gate on the waterward end. Slide gi landward end. Concrete "U" headwall on (USACE-1960). This entry matches the Irrigation Structure referenced in O&M m FS Date: 4/18/2012 11:47:00 AM	f cleared m is bent S. This cretion reportion reportion and the clow the crete on the both end Drainage	LS slope slopes and ossing ort _p_0244) al al crown. e	39.498845 ° 3 -121.722440 ° -12	9.498845 °. 1.722440 °	
206	7.33	7.33	Supplementa	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:15784 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: LS slide gate stem is be replaced. Limited inspection on WS a to dense vegetation. Need photos of clar next inspection. Confirmed flap gate on the usable of the usable of corp's inspect ID#USACE_CESPK_M13 for submerged WS gate.7/15/2013 Slop cleared of vegetation and are in good co gate stem is still bent. FIELD_STRUCT_DESC: 24-inch corrug drainpipe through the levee, 11.2 feet be Flap gate on the waterward end. Slide ge landward end. Concrete "U" headwall on (USACE-1960). This entry matches the Irrigation Structure referenced in O&M m FS Date: 7/16/2013 8:53:24 AM	and LS slared slop WS. This ction repo BD_2011 bes have indition. ated met elow the co ate on the both end Drainage	needs to ope due es during crossing ort as _p_0244 been LS screw all crown. eeds or	DWR ID: DWR_MA00 39.498845 ° 3 -121.722440 ° -12	9.498845° 1.722440°	215

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

				Wa	aterwa	ay		Bank	Unit Miles	Inspection Start/End	Inspec	ctor
				Unit No. 01 (Chei	roke	ee Canal	Right	18.87	10/31/2013 10/31/2013	Bob Duffe	
LMR No.	Levee	Mile End	Category	Item	Location *	Rating	Action/Comment			GPS Latitude	/Longitude End	Issue No. Photo
207	7.33	7.33	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:15785 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: LS slide gate stem is be replaced. Limited inspection on WS at to dense vegetation. Need photos of cleanest inspection. Confirmed flap gate on was listed in the USACE Periodic Inspect Corp's inspect ID#USACE_CESPK_M13 for submerged WS gate.7/15/2013 Slop cleared of vegetation and are in good congate stem is still bent. FIELD_STRUCT_DESC: 24-inch corrugularinpipe through the levee, 11.2 feet be Flap gate on the waterward end. Slide galandward end. Concrete "U" headwall on (USACE-1960). This entry matches the Irrigation Structure referenced in O&M mFS Date: 7/16/2013 8:56:02 AM	and LS sleared slop WS. This etion repo BD_2011 es have indition. ated met ellow the co ate on the both enc Drainage	needs to ope due es during crossing ort as p_0244 been LS screw all crown.	39.498845 ° 121.722440 ° -1		Y
208	7.33	7.33	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:4033 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection on due to dense vegetation. Confirmed flap crossing was listed in the USACE Period report (Corp's inspect ID#USACE_CESPK_M13D_2011_p_02 FIELD_STRUCT_DESC: 24-inch corrug drainpipe through the levee, 11.2 feet be Flap gate on the waterward end. Slide ga landward end. Concrete "U" headwall on (USACE-1960). This entry matches the la Irrigation Structure referenced in O&M m FS Date: 4/18/2012 11:47:00 AM	gate on dic Inspectated Metalendric Head	LS slope WS. This ction al crown. e ds or		39.498845 ° 21.722439 °	217

Flood Control Project Maintenance Levee Inspections

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

V	/aterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01	Cherokee Canal	Right	18.87	10/31/2013 10/31/2013	Bob Duffey
Levee Mile Category Item	Rating ** + Location	Action/Comment		GPS Latitude/	Longitude Issue No.
Start End Category	ing +	Action/Comment		Start	End Photo
7.33 7.33 Supplemental DWR UCIP Field Study	En EP_NO: N/A Repair Type: Nor Crossing Status: UCIP Comments be replaced. Lim to dense vegetati next inspection. (was listed in the Corp's inspect ID for submerged W FIELD_STRUCT drainpipe through Flap gate on the landward end. Co (USACE-1960). T	Found: LS slide gate stem is bent and ited inspection on WS and LS slon. Need photos of cleared slop Confirmed flap gate on WS. This USACE Periodic Inspection reportus and the level of the lower than the level, 11.2 feet below the contract of the level of the lower than t	needs to ope due es during crossing ort as _p_0244 al crown. e ds or	39.498845 ° 3 -121.722440 ° -12	9.498845 ° 218 :1.722440 °
7.33 7.33 Supplemental DWR UCIP Field Study	En EP_NO: N/A Repair Type: Nor Crossing Status: UCIP Comments due to dense veg during next inspe needs to be repla crossing was liste report as Corp's i ID#USACE_CES WS gate. FIELD_STRUCT drainpipe through Flap gate on the landward end. Co	Found: Limited inspection on WS and letation. Need photos of cleared ction. LS slide gate stem is benticed. Confirmed flap gate on WS and in the USACE Periodic Inspect PK_M13D_2011_p_0244 for suppose to the levee, 11.2 feet below the content waterward end. Slide gate on the loncrete "U" headwall on both end this entry matches the Drainage or ereferenced in O&M manual (H	LS slope slopes t and 3. This ction bmerged al crown. e ds or	DWR ID: DWR_MA00 39.498845 ° 3 -121.722440 ° -12	99.498845 ° 219 21.722440 °

Flood Control Project Maintenance Levee Inspections

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Wat	erway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 C	herokee Canal	Right	18.87	10/31/2013 10/31/2013	Bob Duffey
Levee Mile Start End Category Item	Rating Action/Comm	ent		GPS Latitude/L	Longitude Issue No. End Photo
7.33 7.33 Supplemental DWR UCIP Field Study	LS M Inspector Comments: FS_ID:5414 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection due to dense vegetation. Need photoduring next inspection. LS slide gared needs to be replaced. Confirmed flicrossing was listed in the USACE report as Corp's inspect ID#USACE_CESPK_M13D_2011_ WS gate. FIELD_STRUCT_DESC: 24-inch of drainpipe through the levee, 11.2 fr Flap gate on the waterward end. Slandward end. Concrete "U" headw (USACE-1960). This entry matches Irrigation Structure referenced in OFS Date: 4/18/2012 11:47:00 AM	tos of cleared e stem is ben ap gate on Ware riodic Insperposed for substructure to the late of the Drainage	LS slope slopes t and S. This ction bmerged tal crown. e ds	-121.722440 ° -12	
212 7.34 7.34 Supplemental DWR UCIP Field Study	LS U Inspector Comments: FS_ID:3379 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch of drainpipe through the levee, 11.2 fr Flap gate on the waterward end. S landward end. Concrete "U" headw (USACE-1960). This entry matched irrigation Structure referenced in O FS Date: 4/18/2012 11:47:00 AM	et below the dide gate on the all on both en the Drainage	cal crown. e ds e or	DWR ID: DWR_MA00: 39.498845 ° 3 -121.722439 ° -12	9.498845 ° 221 1.722439 °
213 7.34 7.34 Supplemental DWR UCIP Field Study	LS M Inspector Comments: FS_ID:3230 En EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch of drainpipe through the levee, 11.2 fr Flap gate on the waterward end. S landward end. Concrete "U" headw (USACE-1960). This entry matched Irrigation Structure referenced in O FS Date: 4/18/2012 11:47:00 AM	et below the de gate on the all on both en the Drainage	cal crown. e ds e or	39.498853° 3 -121.722445° -12	9.498853 ° 222 1.722445 °
				DWR ID: DWR_MA00	13_01_f _ 2013_222

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

	Wate	rway		Bank	Unit Miles	Inspection Start/End	Inspector
	Unit No. 01 Ch	eroke	e Canal	Right	18.87	10/31/2013 10/31/2013	Bob Duffey
Levee Mile Category	Item *	Rating ** + Location	Action/Comment			GPS Latitude/L	ongitude Issue No. End Photo
214 7.34 7.34 Supplemental D		LS M En	Inspector Comments: FS_ID:4020 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrug drainpipe through the levee, 11.2 feet be Flap gate on the waterward end. Slide ga landward end. Concrete "U" headwall on (USACE-1960). This entry matches the I Irrigation Structure referenced in O&M m FS Date: 4/18/2012 11:47:00 AM	low the cate on the both end Drainage	al crown. e ds or		0.498845 ° 223 1.722439 °
215 7.34 7.34 Supplemental D	OWR UCIP Lield Study	-S U En	Inspector Comments: FS_ID:3820 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrug drainpipe through the levee, 11.2 feet be Flap gate on the waterward end. Slide ge landward end. Concrete "U" headwall on (USACE-1960). This entry matches the l Irrigation Structure referenced in O&M m FS Date: 4/18/2012 11:47:00 AM	low the cate on the both end Drainage	al crown. e ds or	39.498845 ° 39.121.722439 ° -121	9.498845 ° 224 1.722439 °
216 7.34 7.34 Supplemental D	OWR UCIP Lifeld Study	-S M En	Inspector Comments: FS_ID:2965 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrug drainpipe through the levee, 11.2 feet be Flap gate on the waterward end. Slide ga landward end. Concrete "U" headwall on (USACE-1960). This entry matches the l Irrigation Structure referenced in O&M m FS Date: 4/18/2012 11:47:49 AM	low the cate on the both end Drainage	al crown. e ds or	39.498860° 39.498860° 39.498860° -124	9.498860 ° 225 1.722410 °
217 7.57 7.57 Supplemental D	OWR UCIP L Field Study	_S M En	Inspector Comments: FS_ID:4034 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection on slopes due to dense vegetation. FIELD_STRUCT_DESC: 24-inch corrug drainpipe through the levee, 10.2 feet be Flap gate on the waterward end. Screw (landward end. Concrete headwall on bot 1960). This entry matches the Drainage Structure referenced in O&M manual (HI FS Date: 4/18/2012 11:50:00 AM	ated metalow the control on the control of the cont	LS al crown. ne JSACE- on	121.725164° -121	9.496146° 226 1.725164°
	ing : Acceptable : Minimally Acceptable		+ Issue Type Not Inspected/Rated Ma : Maintenanc Corrected Ob : Design & Sy			DWR ID: DWR_MA001	3_01_1 _ 2013_226
	: Unacceptable		Acceptable but Monitor & Maintain En : Enforcemen				Page 72 of 120

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

				Wa	terway		Bank	Unit Miles	Inspection Start/End	Inspector
				Unit No. 01 C	Cheroke	ee Canal	Right	18.87	10/31/2013 10/31/2013	Bob Duffey
LMR No.	Levee	Mile End	Category	Item	Rating ** + Location *	Action/Comment			GPS Latitude/L	ongitude Issue No. End Photo
218	7.57	7.57	Supplementa	DWR UCIP Field Study	LS M En	Inspector Comments: FS_ID:5415 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection on slopes due to dense vegetation. Need p WS and LS slopes during next inspectio FIELD_STRUCT_DESC: 24-inch corrug drainpipe through the levee, 10.2 feet be Flap gate on the waterward end. Screw landward end. Concrete headwall on bot 1960). This entry matches the Drainage Structure referenced in O&M manual (H FS Date: 4/18/2012 11:50:00 AM	hotos of on. ated metelow the of gate on the of the or Irrigation	LS cleared al crown. ne JSACE- ion	39.496146° 39.121.725160° -12	9.496146° 227 1.725160°
219	7.57	7.57	Supplementa	DWR UCIP Field Study	LS M En	Inspector Comments: FS_ID:4600 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection on slopes due to dense vegetation. Need p WS and LS slopes during next inspectio FIELD_STRUCT_DESC: 24-inch corrug drainpipe through the levee, 10.2 feet be Flap gate on the waterward end. Screw landward end. Concrete headwall on bo 1960). This entry matches the Drainage Structure referenced in O&M manual (H FS Date: 4/18/2012 11:50:00 AM	hotos of on. ated metological	LS cleared al crown. ne JSACE- ion	DWR ID: DWR_MA001 39.496146 ° 3! 121.725160 ° -12	9.496146° 228 1.725160°
220	7.57	7.57	Supplementa	DWR UCIP Field Study	LS M En	Inspector Comments: FS_ID:5670 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection on slopes due to dense vegetation. Need p WS and LS slopes during next inspectio FIELD_STRUCT_DESC: 24-inch corrug drainpipe through the levee, 10.2 feet be Flap gate on the waterward end. Screw	hotos of on. ated metelow the ogate on the	LS cleared al crown. ne	39.496146° 39.121.725160° -12	9.496146 ° 229 1.725160 ° Y

Location LS: Land Side WS : Water Side CR : Crown Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

landward end. Concrete headwall on both ends (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 7.58).

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

DWR ID: DWR_MA0013_01_f _ 2013_229

FS Date: 4/18/2012 11:50:00 AM

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

			Wa	aterway		Bank	Unit Miles	Inspection Start/End	Inspector
			Unit No. 01 (Cheroke	ee Canal	Right	18.87	10/31/2013 10/31/2013	Bob Duffey
P	evee Mile	Category	Item	Rating ** + Location **	Action/Comment			GPS Latitude/L	ongitude Issue No. End Photo
221 8.	3.12 8.1	2 Supplementa	DWR UCIP Field Study	LS M En	Inspector Comments: FS_ID:4601 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Flashboards are in us levee. Sediment build up against flashboards are in us levee. Sediment build up against flashboards are in us levee. Sediment build up against flashboards are in us levee. Sediment build up against flashboard rieument flashboards are in us levee. Sediment build up against flashboard drainpipe through the levee, 8.2 feet bel Flap gate on the waterward end. Concro on both ends (USACE-1960). Flashboard present on the landward side. This entry Drainage or Irrigation Structure reference manual (HLM 8.12). FS Date: 4/18/2012 12:00:00 PM	oards. gated met low the cr ete "U" he rds should y matches	Iside of al own. adwalls d be s the	39.489061 ° 3: -121.729430 ° -12	
222 8.	.12 8.1	2 Supplementa	I DWR UCIP Field Study	LS M En	Inspector Comments: FS_ID:5481 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Flashboards are in us levee. Sediment build up against flashboards are in us levee. Sediment build up against flashboards are in us levee. Sediment build up against flashboards are in us levee. Sediment build up against flashboards in the lander of the levee, 8.2 feet bel Flap gate on the waterward end. Concre on both ends (USACE-1960). Flashboard present on the landward side. This entry Drainage or Irrigation Structure reference manual (HLM 8.12). FS Date: 4/18/2012 12:00:00 PM	oards. gated met low the cr ete "U" he rds should y matches	Iside of al own. adwalls d be s the	39.489061 ° 39.121.729430 ° -12	
223 8.	1.12 8.1	2 Supplementa	DWR UCIP Field Study	LS M En	Inspector Comments: FS_ID:5620 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Sediment build up ag Flashboards are in use on landside of le FIELD_STRUCT_DESC: 24-inch corrug drainpipe through the levee, 8.2 feet bel Flap gate on the waterward end. Concre on both ends (USACE-1960). Flashboar present on the landward side. This entry Drainage or Irrigation Structure reference manual (HLM 8.12). FS Date: 4/18/2012 12:00:00 PM	evee. gated met low the cr ete "U" he rds should y matches	nboards. al own. adwalls d be s the	39.489061 ° 39.121.729430 ° -12	9.489061 ° 232 1.729430 ° Y

Location LS: Land Side WS : Water Side CR : Crown Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement DWR ID: DWR_MA0013_01_f _ 2013_232

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway		Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cherokee C	anal	Right	18.87	10/31/2013 10/31/2013	Bob Duffey
Levee Mile Category Item Ration Ration	Action/Comment			GPS Latitude	End Issue No. Photo
Field Study En EP Rep Cro UC Flat Sar FIE drat Flat on I pret Dra	ector Comments: FS_ID:15807 NO: N/A air Type: Non-Urgent ssing Status: Found Comments: Sediment build up aga hboards are in use on landside of le le as last inspection. LD_STRUCT_DESC: 24-inch corrug pippe through the levee, 8.2 feet bel gate on the waterward end. Concre oth ends (USACE-1960). Flashboar ent on the landward side. This entry nage or Irrigation Structure reference ual (HLM 8.12). Date: 7/16/2013 9:11:09 AM	vee.7/15, ated meta ow the crute "U" he ds should matches	nboards. /2013 al own. adwalls I be I the	121.729430 ° -1	
Field Study En EP Rep Cro UC leve FIE drai Flap on l pre- Dra mai	ector Comments: FS_ID:5419 NO: N/A air Type: Non-Urgent ssing Status: Found Comments: Flashboards are in us e. Sediment build up against flashboards. D_STRUCT_DESC: 24-inch corrug apipe through the levee, 8.2 feet belogate on the waterward end. Concre oth ends (USACE-1960). Flashboar ent on the landward side. This entry anage or Irrigation Structure reference ual (HLM 8.12). Date: 4/18/2012 12:00:00 PM	pards. ated meta bw the cra te "U" he ds should matches	Iside of al own. adwalls I be the	39.489061 ° 121.729430 ° -1	39.489061 ° 234 21.729430 °
Field Study En EP Rep Cro UC (bro insp Nee Slo con sed FIE dra Flap on l pre- Dra mai	ector Comments: FS_ID:15809 NO: N/A air Type: Non-Urgent ssing Status: Found Comments: Sediment build up on ken panels) scattered near LS heady ection on WS and LS slope due to d d photos of cleared WS and LS slope ses are cleared of vegetation and are dition. WS flapgate is blocked from ment. D_STRUCT_DESC: 24-inch corrug apipe through the levee, 9.3 feet belogate on the waterward end. Concre oth ends (USACE-1960). Flashboar ent on the landward side. This entry mage or Irrigation Structure reference ual (HLM 8.40). Date: 7/16/2013 9:16:48 AM	wall. Limitense veg es.7/15/2 e in good opening f ated meta ow the crute "U" he ds should matches	is ted jetation. 2013 fully by al own. adwalls t be t the	39.485432 ° 121.731590 ° -1	39.485432 ° 235

* Location LS : Land Side WS : Water Side CR : Crown * Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type Ma : Mainter

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

	Waterway		Bank	Unit Miles	Inspection	Inspector	
Unit	No. 01 Cheroke	ee Canal	Right	18.87	Start/End 10/31/2013 10/31/2013	Bob Duffey	
						,	
	Item Pating	Action/Comment			GPS Latitude/	Longitude Issue No. Photo	
227 8.40 8.40 Supplemental DWR	Supplemental DWR UCIP Field Study Inspector Comments: FS_ID:4042 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection on WS and LS slope due to dense vegetation. Sediment build up on LS. Debris scattered near crossing. FIELD_STRUCT_DESC: 24-inch corrugated metal drainpipe through the levee, 9.3 feet below the crown. Flap gate on the waterward end. Concrete "U" headwalls on both ends (USACE-1960). Flashboards should be present on the landward side. This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 8.40). FS Date: 4/18/2012 12:01:00 PM						
					DWR ID: DWR_MA00	13_01_f _ 2013_236	
228 8.40 8.40 Supplemental DWR Field		Inspector Comments: FS_ID:5420 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection on due to dense vegetation. Need photos of LS slopes. Sediment build up on LS. Del panels) scattered near LS headwall. FIELD_STRUCT_DESC: 24-inch corruga drainpipe through the levee, 9.3 feet beld Flap gate on the waterward end. Concre on both ends (USACE-1960). Flashboard present on the landward side. This entry Drainage or Irrigation Structure reference manual (HLM 8.40). FS Date: 4/18/2012 12:01:00 PM	f cleared bris (brok ated meta bw the cru te "U" he ds should matches	LS slope WS and ten al own. adwalls 1 be 1 the	39.485432 ° 3.121.731590 ° -12		
229 8.40 8.40 Supplemental DWR Field		Inspector Comments: FS_ID:4602 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection on due to dense vegetation. Need photos of LS slopes. Sediment build up on LS. Del panels) scattered near LS headwall. FIELD_STRUCT_DESC: 24-inch corruga drainpipe through the levee, 9.3 feet belof Flap gate on the waterward end. Concre on both ends (USACE-1960). Flashboard present on the landward side. This entry Drainage or Irrigation Structure reference manual (HLM 8.40). FS Date: 4/18/2012 12:01:00 PM	f cleared bris (brok ated meta bw the cru te "U" he ds should matches	LS slope WS and ten al own. adwalls 1 be	.121.731590° -12		
					DWR ID: DWR_MA00	13_01_1 _ 2013_238	

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

	Wat	erway		Bank	Unit Miles	Inspection Start/End	Inspector
	Unit No. 01 C	heroke	e Canal	Right	18.87	10/31/2013 10/31/2013	Bob Duffey
Levee Mile Start End Category	Item	Rating ** + Location	Action/Comment			GPS Latitude/L	ongitude Issue No. End Photo
230 8.40 8.40 Supplemental	DWR UCIP Field Study	LS M En	Inspector Comments: FS_ID:4603 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection on due to dense vegetation. Need photos of LS slopes. Sediment build up on LS. De panels) scattered near LS headwall. FIELD_STRUCT_DESC: 24-inch corrug drainpipe through the levee, 9.3 feet bel Flap gate on the waterward end. Concre on both ends (USACE-1960). Flashboat present on the landward side. This entry Drainage or Irrigation Structure reference manual (HLM 8.40). FS Date: 4/18/2012 12:01:00 PM	of cleared bris (broken ated met ow the create "U" he do should matches	LS slope WS and ten al own. adwalls 1 be 5 the	39.485432° 39.121.731590° -12	
231 8.40 8.40 Supplemental	DWR UCIP Field Study	LS M En	Inspector Comments: FS_ID:15808 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Sediment build up on (broken panels) scattered near LS head inspection on WS and LS slope due to o Need photos of cleared WS and LS slop Slopes are cleared of vegetation and ar condition. WS flapgate is blocked from sediment. FIELD_STRUCT_DESC: 24-inch corrug drainpipe through the levee, 9.3 feet bel Flap gate on the waterward end. Concre on both ends (USACE-1960). Flashboar present on the landward side. This entry Drainage or Irrigation Structure reference manual (HLM 8.40). FS Date: 7/16/2013 9:13:53 AM	wall. Limidense veg bes.7/15/2 e in good opening to atted met ow the create "U" her ds should matches	is ted jetation. 2013 fully by all own. adwalls to be sthe		9.485432° 240 1.731590° Y
232 8.40 8.40 Supplemental	DWR UCIP Field Study		Inspector Comments: FS_ID:4604 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection on due to dense vegetation. Need photos of LS slopes. Sediment build up on LS. De panels) scattered near LS headwall. FIELD_STRUCT_DESC: 24-inch corrug drainpipe through the levee, 9.3 feet bel Flap gate on the waterward end. Concre on both ends (USACE-1960). Flashboat present on the landward side. This entry Drainage or Irrigation Structure reference manual (HLM 8.40). FS Date: 4/18/2012 12:01:00 PM	of cleared bris (broken ated met ow the create "U" he do should matches	LS slope WS and ken al own. adwalls d be s the	39.485432 ° 39.121.731590 ° -12	

* Location LS: Land Side WS : Water Side CR : Crown * Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

		W	aterway			Bank	Unit Miles	Inspection Start/End	Inspector
		Unit No. 01	Cherol	ke	e Canal	Right	18.87	10/31/2013 10/31/2013	Bob Duffey
Leve Start	e Mile Category	Item	Location	Rating	Action/Comment			GPS Latitude/L	ongitude Issue No. End Photo
233 8.40	8.40 Supplementa	al DWR UCIP Field Study	LS N		Inspector Comments: FS_ID:5482 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Sediment build up on (broken panels) scattered near LS head inspection on WS and LS slope due to do Need photos of cleared WS and LS slop FIELD_STRUCT_DESC: 24-inch corrug drainpipe through the levee, 9.3 feet bele Flap gate on the waterward end. Concre on both ends (USACE-1960). Flashboar present on the landward side. This entry Drainage or Irrigation Structure reference manual (HLM 8.40). FS Date: 4/18/2012 12:01:00 PM	wall. Limi lense veg les. ated met low the cr te "U" he ds should matches	is ted getation. al own. adwalls be the	39.485432° 39.4121.731590° -12	9.485432 ° 242 1.731590 °
234 8.40	8.40 Supplementa	al DWR UCIP Field Study	LS M		Inspector Comments: FS_ID:4620 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection on due to dense vegetation. Need photos o LS slopes. Sediment build up on LS. De panels) scattered near LS headwall. FIELD_STRUCT_DESC: 24-inch corrug drainpipe through the levee, 9.3 feet bele Flap gate on the waterward end. Concre on both ends (USACE-1960). Flashboar present on the landward side. This entry Drainage or Irrigation Structure reference manual (HLM 8.40). FS Date: 4/18/2012 12:01:00 PM	f cleared bris (broken ated met- ow the crute "U" he ds should matches	LS slope WS and ten al own. adwalls d be	DWR ID: DWR_MA001 39.485432 ° 39.421.731590 ° -12	0.485432 ° 243 1.731590 °
235 8.40	8.40 Supplementa	al DWR UCIP Field Study	LS M		Inspector Comments: FS_ID:4041 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection on due to dense vegetation. Sediment build scattered near crossing. FIELD_STRUCT_DESC: 24-inch corrug drainpipe through the levee, 9.3 feet bele Flap gate on the waterward end. Concre on both ends (USACE-1960). Flashboar present on the landward side. This entry Drainage or Irrigation Structure reference manual (HLM 8.40). FS Date: 4/18/2012 12:01:00 PM	ated met ow the cr te "U" he ds should matches	LS slope S. Debris al own. adwalls d be s the	39.485432 ° 39.485432 ° -124.731585 ° -124.73158 ° -124	

* Location LS: Land Side WS : Water Side CR : Crown Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway		Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cherok	ee Canal	Right	18.87	10/31/2013 10/31/2013	Bob Duffey
Levee Mile Category Item Start End End End	Action/Comment			GPS Latitude/L	ongitude Issue No. End Photo
236 8.95 8.95 Supplemental DWR UCIP LS M Field Study En	Inspector Comments: FS_ID:2973 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: The concrete slab dodistribution box is located on water side side headwall needs to be repaired/replaided by the side of the channel. Five (5) by seven a conduit through the levee, 18.4 feet belowed the concrete headwall on the landward side reinforced concrete protective slab on the center of the levee (USACE-1960). The Drainage or Irrigation Structure reference in the side of	of levee. aced. ation Cana (7) foot co by the cro 2. 28-foot by of the c This entry	ist.A Land al siphon oncrete own. conduit in	39.478590 ° 39.478590 ° -12	
237 8.95 8.95 Supplemental DWR UCIP LS M Field Study En	Inspector Comments: FS_ID:3300 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: The concrete slab do distribution box is located on water side side headwall needs to be repaired/repla FIELD_STRUCT_DESC: Richvale Irriga crosses the channel. Five (5) by seven conduit through the levee, 18.4 feet bela Concrete headwall on the landward side reinforced concrete protective slab on to the center of the levee (USACE-1960). the Drainage or Irrigation Structure refer manual (HLM 8.95). FS Date: 4/18/2012 12:04:00 PM	of levee. aced. ation Cana (7) foot co by the cro 2. 28-foot by of the c This entry	ist.A Land al siphon oncrete own. conduit in	39.478590° 39.412.736550° -12	9.478590° 246 1.736550°
238 8.95 8.95 Supplemental DWR UCIP LS M Field Study En	Inspector Comments: FS_ID:3394 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: The concrete slab dod distribution box is located on water side side headwall needs to be repaired/replaid for the conduit through the levee, 18.4 feet belowed Concrete headwall on the landward side reinforced concrete protective slab on to the center of the levee (USACE-1960). The Drainage or Irrigation Structure reference in the center of the levee (USACE-1960). The Drainage or Irrigation Structure reference in the center of the levee (USACE-1960). The Drainage or Irrigation Structure reference in the center of the levee (USACE-1960). The Drainage or Irrigation Structure reference in the center of the levee (USACE-1960). The Drainage or Irrigation Structure reference in the center of the levee (USACE-1960). The Drainage or Irrigation Structure reference in the center of the levee (USACE-1960). The Drainage or Irrigation Structure reference in the center of the levee (USACE-1960).	of levee. acced. ation Cana (7) foot co by the cro 2. 28-foot op of the c This entry	ist.A Land al siphon oncrete own. conduit in	DWR ID: DWR_MA001 39.478573 ° 39. -121.736550 ° -12	9.478573° 247
				DWR ID: DWR_MA001	3_01_f _ 2013_247

* Location LS : Land Side WS : Water Side CR : Crown ** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type Ma : Mainter

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

				W	aterwa	ау		Bank	Unit Miles	Inspection Start/End	Inspector
				Unit No. 01	Cher	oke	e Canal	Right	18.87	10/31/2013 10/31/2013	Bob Duffey
LMR No.	Levee	Mile End	Category	Item	Location *	Rating	Action/Comment			GPS Latitude/L	ongitude Issue No. End Photo
239	8.95	8.95	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:4621 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Concrete headwall is behind headwall is also present. LS hear repaired/replaced. Remove wooden deb shoulder. FIELD_STRUCT_DESC: Richvale Irriga crosses the channel. Five (5) by seven (conduit through the levee, 18.4 feet belo Distribution box and walkway are located side. Concrete headwall on the landward reinforced concrete protective slab on to the center of the levee (USACE-1960). T feature does not exit in the center of the matches the Drainage or Irrigation Struct O&M manual (HLM 8.95). FS Date: 4/18/2012 12:04:00 PM	dwall neer is from let ion Cana 7) foot con with a crown the crown water is side. 28 p of the concribevee. The	erosion eds to be evee al siphon concrete own. erward e-foot conduit in rete slab nis entry	39.478573 ° 38 121.736550 ° -121	9.478573° 248 .736550°
240	8.95	8.95	Supplemental	DWR UCIP Field Study	LS		Inspector Comments: FS_ID:4044 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Concrete headwall is behind headwall is also present. LS hear repaired/replaced. FIELD_STRUCT_DESC: Richvale Irriga crosses the channel. Five (5) by seven (conduit through the levee, 18.4 feet belo Distribution box and walkway are located side. Concrete headwall on the landward reinforced concrete protective slab on to the center of the levee (USACE-1960). The feature does not exit in the center of the matches the Drainage or Irrigation Struct O&M manual (HLM 8.95). FS Date: 4/18/2012 12:04:00 PM	tion Cana 7) foot co w the cro d on wate d side. 28 p of the co he concr levee. Th	erosion eds to be al siphon concrete own. erward e-foot conduit in rete slab nis entry	DWR ID: DWR_MA001: 39.478573 ° 39.478550 ° -121	0.478573 ° 249 .736550 °

Flood Control Project Maintenance Levee Inspections

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

	Waterway Bank Unit Mile									
		Unit No. 01 C	her	oke	e Canal	Right	18.87	10/31/2013 10/31/2013	Bob Duffey	
Levee Mile Start End	Category	Item	Location	Rating	Action/Comment			GPS Latitude/L	ongitude Issue No. End Photo	
241 8.95 8.95 St		DWR UCIP Field Study	LS	M	Inspector Comments: FS_ID:5804 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Concrete headwall is a behind headwall is also present. LS hear repaired/replaced. Remove wooden deb shoulder. FIELD_STRUCT_DESC: Richvale Irrigat crosses the channel. Five (5) by seven (conduit through the levee, 18.4 feet belo Distribution box and walkway are located side. Concrete headwall on the landward reinforced concrete protective slab on to the center of the levee (USACE-1960). T the Drainage or Irrigation Structure refer manual (HLM 8.95). FS Date: 4/18/2012 12:04:00 PM	39.478573 ° 39. 121.736550 ° -12	9.478573 ° 250 1.736550 °			
242 8.95 8.95 St		DWR UCIP Field Study	LS		Inspector Comments: FS_ID:4043 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Concrete headwall ne repaired/replaced. FIELD_STRUCT_DESC: Richvale Irrigat crosses the channel. Five (5) by seven (conduit through the levee, 18.4 feet belo Distribution box and walkway are located side. Concrete headwall on the landward reinforced concrete protective slab on to the center of the levee (USACE-1960). T feature does not exit in the center of the matches the Drainage or Irrigation Struct O&M manual (HLM 8.95). FS Date: 4/18/2012 12:04:00 PM	tion Cana 7) foot co w the cro d on wate d side. 28 p of the co he concr levee. Th	al siphon oncrete own. Frward Foot conduit in ete slab nis entry	DWR ID: DWR_MA001 39.478573 ° 39.478550 ° -121 DWR ID: DWR_MA001	0.478573 ° 251 1.736550 °	

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

				Wat	terwa	ay		Bank	Unit Miles	Inspection Start/End	Inspector
				Unit No. 01 C	her	oke	e Canal	Right	18.87	10/31/2013 10/31/2013	Bob Duffey
LMR No.	Levee	Mile End	Category	Item	Location *	Rating	Action/Comment			GPS Latitude/	_ongitude Issue No.
243	8.95	8.95	Supplementa	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:5805 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Concrete headwall is behind headwall is also present. LS hea repaired/replaced. Remove wooden deb shoulder. FIELD_STRUCT_DESC: Richvale Irriga crosses the channel. Five (5) by seven (conduit through the levee, 18.4 feet belo Distribution box and walkway are locate side. Concrete headwall on the landward reinforced concrete protective slab on to the center of the levee (USACE-1960). The Drainage or Irrigation Structure refer manual (HLM 8.95). FS Date: 4/18/2012 12:04:00 PM	dwall need ris from Interest from Interest from Interest from State (Interest from Interest from Int	erosion ds to be evee al siphon oncrete own. rward -foot conduit in matches	39.478573 ° 3 121.736550 ° -12	
244	44 8.95 8.95 Supplemental DWR UCIP LS M Inspector Comments: FS_ID:15810									9.478573° 253 1.736550°	

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

				Wat	terw	ay		Bank	Unit Miles	Inspection Start/End	Inspector
				Unit No. 01 C	hei	roke	e Canal	Right	18.87	10/31/2013 10/31/2013	Bob Duffey
LMR No.	Levee	Mile End	Category	Item	Location	Rating	Action/Comment			GPS Latitude/I	_ongitude Issu No Pho
245	8.95	8.95	Supplementa	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:5421 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Concrete headwall is behind headwall is also present. LS hea repaired/replaced. Remove wooden deb shoulder. FIELD_STRUCT_DESC: Richvale Irriga crosses the channel. Five (5) by seven (conduit through the levee, 18.4 feet belo Distribution box and walkway are locate side. Concrete headwall on the landward reinforced concrete protective slab on to the center of the levee (USACE-1960). The Drainage or Irrigation Structure refer manual (HLM 8.95). FS Date: 4/18/2012 12:04:00 PM	dwall need ris from I tion Cana (7) foot color with a crown the crown the crown the crown the color of the co	erosion eds to be evee al siphon concrete own. erward b-foot conduit in matches	121.736550° -12	
246	8.95	8.95	Supplementa	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:5483 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Concrete headwall is behind headwall is also present. LS hea repaired/replaced. Remove wooden deb shoulder. FIELD_STRUCT_DESC: Richvale Irriga crosses the channel. Five (5) by seven (conduit through the levee, 18.4 feet belo Distribution box and walkway are located side. Concrete headwall on the landward reinforced concrete protective slab on to the center of the levee (USACE-1960). The Drainage or Irrigation Structure refer manual (HLM 8.95). FS Date: 4/18/2012 12:04:00 PM	dwall need ris from I tion Cana (7) foot color the crod on wated side. 28 op of the control this entry	erosion eds to be evee al siphon oncrete own. erward i-foot conduit in matches	DWR ID: DWR_MA00 39.478573 ° 3 121.736550 ° -12	9.478573° 25! 1.736550°

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Category Item Category Action/Comment	Waterwa	у	Bank	Unit Miles	Inspection Start/End	Inspector
247 8.95 8.95 Supplemental DWR UCIP Field Study LS M EP-NO: NA Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Concrete headwall is cracked, erosion behind headwall is also present. LS headwall needs to be repaired/replaced. Remove wooden debris from levee shoulder. FIELD_STRUCT_DESC: Richvale Irrigation Canal siphon crosses the channel. Five (5) by seven (7) foot concrete conduit through the levee, 18.4 feet below the crown. Distribution box and walkway are located on waterward side. Concrete headwall on the landward side. 28-foot reinforced concrete protective sish on top of the conduit in the conter of the levee (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (H.M. 8.95). FS Date: 4/18/2012 12:04:00 PM PIRRO DWILLMOSTALIT_J 2973_296 246 8.98 8.98 Supplemental DWR UCIP EP-NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection on LS slope due to dense vegetation. Need photo of cleared vegetation from slopes and WS headwall. Minor debris scattered on WS slope. FIELD_STRUCT_DESC: 24-inch corrugated metal discrete or on the waterward adialippe through the levee, 12.6 feet below the crown. Slide gale in corrugated metal price rise or on the waterward waterward to the manual (H.M. 8.98). FS Date: 4/18/2012 12:16.00 PM Inspector Comments: FS_ID:4626 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection on LS slope due to dense vegetation from slopes and WS headwall. Minor debris scattered on WS slope. FS Date: 4/18/2012 12:16.00 PM Inspector Comments: FS_ID:4626 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection on LS slope due to depair to compair the properties of the waterward on WS slope. FIELD_STRUCT_DESC: 24-inch corrugated metal direin properties of the waterward on WS slope. FIELD_STRUCT_DESC: 24-inch corrugated metal direin price from the waterward on WS slope. FIELD_STRUCT_DESC: 24-inch corrugated metal direin price o	Unit No. 01 Chere	okee Canal	Right	18.87		
248 8.95 8	Levee Mile Start End Category Item Item	Action/Comment				NO.
Field Study Field	247 8.95 8.95 Supplemental DWR UCIP LS	En EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Concrete headwall is behind headwall is also present. LS hea repaired/replaced. Remove wooden det shoulder. FIELD_STRUCT_DESC: Richvale Irriga crosses the channel. Five (5) by seven conduit through the levee, 18.4 feet belo Distribution box and walkway are locate side. Concrete headwall on the landwar reinforced concrete protective slab on to the center of the levee (USACE-1960). the Drainage or Irrigation Structure refer manual (HLM 8.95).	adwall need or is from Interest from Interes	erosion eds to be evee al siphon oncrete own. enward e-foot conduit in matches	.121.736550 ° -12	1.736550°
249 8.98 8.98 Supplemental DWR UCIP Field Study LS M En EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection on LS slope due to dense vegetation. Need photo of cleared vegetation from slopes and WS headwall. Minor debris scattered on WS slope. FIELD_STRUCT_DESC: 24-inch corrugated metal drainpipe through the levee, 12.6 feet below the crown. Slide gate in corrugated metal pipe riser on the waterward slope. Slide gate on the waterward end. Concrete "U" headwall on both ends (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 8.98).	0.00 0.00 officered BWI Con 20	En EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection on dense vegetation. Need photo of cleare slopes and WS headwall. Minor debris s slope. FIELD_STRUCT_DESC: 24-inch corrug drainpipe through the levee, 12.6 feet be Slide gate in corrugated metal pipe rises slope. Slide gate on the waterward end. headwall on both ends (USACE-1960). matches the Drainage or Irrigation Struct O&M manual (HLM 8.98).	d vegetatiscattered gated met elow the cron the way Concrete This entry	due to on from on WS al srown. aterward	.121.736780 ° -12	1.736780° Y
DWR ID: DWR_MA0013_01_f_2013_258	0.00 0.00 supplemental BWICOGII	En EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection on dense vegetation. Need photo of cleare slopes and WS headwall. Minor debris s slope. FIELD_STRUCT_DESC: 24-inch corrug drainpipe through the levee, 12.6 feet b Slide gate in corrugated metal pipe risel slope. Slide gate on the waterward end. headwall on both ends (USACE-1960). matches the Drainage or Irrigation Struct O&M manual (HLM 8.98).	d vegetati scattered gated met elow the c r on the w Concrete This entry	due to fon from on WS al crown. atterward a "U"	39.478281 ° 39.478281 ° -12	9.478281° 258 1.736780°

LS: Land Side WS : Water Side CR : Crown

Location

Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

					Waten	way		Bank	Unit Miles	Inspection Start/End	Inspecto	or
				Unit No.	01 Ch	erok	ee Canal	Right	18.87	10/31/2013 10/31/2013	Bob Duffey	
□ 찍	_evee Start	Mile End	Category	Item	*	Rating ** +	Action/Comment			GPS Latitude/I	-origitude 1	No. Photo
250	8.98	8.98	Supplementa	DWR UCIP Field Study	L	S M En	Inspector Comments: FS_ID:4625 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection on I dense vegetation. Need photo of cleared slopes and WS headwall. Minor debris slope. FIELD_STRUCT_DESC: 24-inch corruga drainpipe through the levee, 12.6 feet be Slide gate in corrugated metal pipe riser slope. Slide gate on the waterward end. I headwall on both ends (USACE-1960). T matches the Drainage or Irrigation Struct O&M manual (HLM 8.98). FS Date: 4/19/2012 12:16:00 PM	I vegetati cattered ated meta- low the con the w Concrete This entry	due to on from on WS al rrown. aterward	39.478281 ° 3.121.736780 ° -12	1.736780°	259
251	8.98	8.98	Supplementa	DWR UCIP Field Study	L	S M En	Inspector Comments: FS_ID:4047 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection on I dense vegetation. Minor debris scattered FIELD_STRUCT_DESC: 24-inch corruga drainpipe through the levee, 12.6 feet be Slide gate in corrugated metal pipe riser slope. Slide gate on the waterward end. I headwall on both ends (USACE-1960). T matches the Drainage or Irrigation Struct O&M manual (HLM 8.98). FS Date: 4/19/2012 12:16:00 PM	d on WS sated metallow the conthe w Concrete	due to slope. al rown. aterward "U"	.121.736777 ° -12		
252	8 98	8 98	Supplementa	I DWR UCIP	1 :	S M	Inspector Comments: FS_ID:5424			39.478281 ° 3	13_01_f _ 2013_260 9.478281 ° 2	
	2.30	2.00	,,	Field Study			EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection on dense vegetation. Need photo of cleared slopes and WS headwall. Minor debris sistope. FIELD_STRUCT_DESC: 24-inch corrugad rainpipe through the levee, 12.6 feet be Slide gate in corrugated metal pipe riser slope. Slide gate on the waterward end. (headwall on both ends (USACE-1960). Timatches the Drainage or Irrigation Struct O&M manual (HLM 8.98). FS Date: 4/18/2012 12:16:00 PM	I vegetati cattered ated meta- low the con the w Concrete This entry	due to on from on WS al rrown. aterward	121.736780 ° -12	1.736780°	

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Unit No. 01 Cherokee Canal Right 18.87 10/31/2						Wate	erwa	ау		Bank	Unit Miles	Inspection Start/End	Inspec	ctor
253 9.01 9.01 Supplemental DWR UCIP Field Study Field Field Study Field Field Study Field					Unit No.	. 01 CI	her	oke	e Canal	Right	18.87	10/31/2013 10/31/2013		
253 9.01 9.01 Supplemental DWR UCIP Field Study En EP. NO: 16994	LMR	Levee	Mile	0-1	14		Foca	Rat	A = 1 = 10 = 10 = 10 = 11 = 11 = 11			GPS Latitud	e/Longitude	Issue No.
Field Study En EP_NO: 16994 Len EP_NO: 16994 Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: Not found in the fieldconfirmed that crossing was not built. This crossing will be removed from the list soon. FIELD_STRUCT_DESC: 10 inch diameter HDPE conduit containing fiber-optic cables across and under (bored) Cherokee Canal and its levess. Twelve 1.5 inch PVC inner ducts through casing with hand holes placed at each end for initial and future instation of fiber optic telecommunications cable. (Permit No. 16994-2000, Level 3 Comm) FS Date: 4/18/2012 3:56:00 PM DWR ID: DW DWR ID		Start	End	Category	item		tion	ing +	Action/Comment			Start	End	Photo
254 9.09 9.09 Supplemental DWR UCIP Field Study Ben EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection on WS and LS slopes due to dense vegetation. Need photos of cleared WS and LS slopes. This crossing was listed in the USACE Periodic Inspections as Corp's Inpect ID# USACE_CESPK_M13D_2011_p_0278 for WS outlet sedimentation and sediment/grass at LS inlet. FIELD_STRUCT_DESC: 36-inch corrugated metal drainpipe through the levee, 10.2 feet below the crown. Flap gate on the waterward end. Concrete "U" headwalls on both ends (USACE-1960). Flashboards should be present on the landward side. This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 9.09). FS Date: 4/18/2012 12:37:00 PM DWR ID. DW DW ID. D	253	9.01	9.01	Supplemental			LS		EP_NO: 16994 Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: Not found in the field- crossing was not built. This crossing will the list soon. FIELD_STRUCT_DESC: 10 inch diamet containing fiber-optic cables across and Cherokee Canal and its levees. Twelve inner ducts through casing with hand ho end for initial and future instation of fiber telecommunications cable. (Permit No. 3 Comm)	be remo ter HDPE under (be 1.5 inch les place	ed that ved from conduit ored) PVC d at each	39.477810 ° 121.736980 ° -		
Field Study En EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection on WS and LS slopes due to dense vegetation. Need photos of cleared WS and LS slopes. This crossing was listed in the USACE Periodic Inspections as Corp's Inpect ID# USACE_CESPK_M13D_2011_p_0278 for WS outlet sedimentation and sediment/grass at LS inlet. FIELD_STRUCT_DESC: 36-inch corrugated metal drainpipe through the levee, 10.2 feet below the crown. Flap gate on the waterward end. Concrete "U" headwalls on both ends (USACE-1960). Flashboards should be present on the landward side. This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 9.09). FS Date: 4/18/2012 12:37:00 PM DWR ID: DW DWA ID: DW DW DWA ID: DW DW DWA ID: DW DW DWA ID: DW DW DW DW DW	_											DWR ID: DWR_M	A0013_01_f _ 2013	_262
255 9.09 9.09 Supplemental DWR UCIP Field Study LS M Inspector Comments: FS_ID:4057 En EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection on WS and LS slopes due to dense vegetation. This crossing was listed in the USACE Periodic Inspections as Corp's Inpect ID# USACE_CESPK_M13D_2011_p_0278. FIELD_STRUCT_DESC: 36-inch corrugated metal drainpipe through the levee, 10.2 feet below the crown. Flap gate on the waterward end. Concrete "U" headwalls on both ends (USACE-1960). Flashboards should be present on the landward side. This entry matches the	254	9.09	9.09	Supplemental			LS		EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection on slopes due to dense vegetation. Need pl WS and LS slopes. This crossing was lis USACE Periodic Inspections as Corp's I USACE_CESPK_M13D_2011_p_0278 f sedimentation and sediment/grass at LS FIELD_STRUCT_DESC: 36-inch corrug drainpipe through the levee, 10.2 feet be Flap gate on the waterward end. Concre on both ends (USACE-1960). Flashboar present on the landward side. This entry Drainage or Irrigation Structure reference manual (HLM 9.09).	hotos of of sted in the npect IDP for WS or is inlet. ated met elow the other "U" he ds should matches	LS cleared e # utlet al crown. adwalls d be the	39.476839 ° 121.737540 ° -	.121.737540 °	
manual (HLM 9.09). FS Date: 4/19/2012 12:37:00 PM	255	9.09	9.09	Supplemental			LS		EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection on slopes due to dense vegetation. This cro in the USACE Periodic Inspections as C USACE_CESPK_M13D_2011_p_0278. FIELD_STRUCT_DESC: 36-inch corrug drainpipe through the levee, 10.2 feet be Flap gate on the waterward end. Concre on both ends (USACE-1960). Flashboar present on the landward side. This entry Drainage or Irrigation Structure reference manual (HLM 9.09).	ated met elow the country he ds should matches	LS is listed ect ID# al crown. adwalls i be the	39.476839 ° 121.737541 ° -	39.476839°. 121.737541°	264 Y

Bank Unit Miles Inspection Inspector

Flood Control Project Maintenance Levee Inspections

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

			Wate	erwa	y		Bank	Unit Miles	Start/End	Inspec	ctor
		Uı	nit No. 01 C	herc	ke	e Canal	Right	18.87	10/31/2013 10/31/2013	Bob Duffe	
Levee	Mile Cate	gory	Item	Location	Rating	Action/Comment			GPS Latitude	Longitude End	Issue No. Photo
256 9.09	9.09 Supple		VR UCIP eld Study		M En	Inspector Comments: FS_ID:5428 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection on slopes due to dense vegetation. Need pl WS and LS slopes. This crossing was lis USACE Periodic Inspections as Corp's I USACE_CESPK_M13D_2011_p_0278 f sedimentation and sediment/grass at LS FIELD_STRUCT_DESC: 36-inch corrug, drainpipe through the levee, 10.2 feet be Flap gate on the waterward end. Concre on both ends (USACE-1960). Flashboam present on the landward side. This entry Drainage or Irrigation Structure reference manual (HLM 9.09). FS Date: 4/18/2012 12:37:00 PM	notos of contents of the steel in the steel metallow the contents of the steel metallow the steel matches	LS cleared e # utlet al crown. adwalls d be the	39.476839 ° 121.737540 ° -1		
257 9.09	9.09 Supple		VR UCIP eld Study	LS		Inspector Comments: FS_ID:4633 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection on slopes due to dense vegetation. This cro in the USACE Periodic Inspections as C USACE_CESPK_M13D_2011_p_0278. FIELD_STRUCT_DESC: 36-inch corruga drainpipe through the levee, 10.2 feet be Flap gate on the waterward end. Concre on both ends (USACE-1960). Flashboan present on the landward side. This entry Drainage or Irrigation Structure reference manual (HLM 9.09). FS Date: 4/18/2012 12:37:00 PM	ossing wa orp's Inpo ated meta elow the co te "U" he ds should matches	LS as listed ect ID# al crown. adwalls d be the	39.476839° .121.737540° -1	39.476839° 21.737540°	266

DWR ID: DWR_MA0013_01_f _ 2013_266

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Flood Control Project Maintenance Levee Inspections

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterwa	у	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Chere	okee Canal	Right	18.87	10/31/2013 10/31/2013	Bob Duffey
Levee Mile Start End Category Item Levee Mile Start End Category Start Category Start Category Category Start Category Category	Action/Comment			GPS Latitude/L	ongitude Issue No. End Photo
258 9.09 9.09 Supplemental DWR UCIP LS Field Study	M Inspector Comments: FS_ID:4637 En EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection o slopes due to dense vegetation. Need WS and LS slopes. This crossing was USACE Periodic Inspections as Corp's USACE_CESPK_M13D_2011_p_0278 sedimentation and sediment/grass at L FIELD_STRUCT_DESC: 36-inch corru drainpipe through the levee, 10.2 feet t Flap gate on the waterward end. Conco on both ends (USACE-1960). Flashbod present on the landward side. This ent Drainage or Irrigation Structure referen manual (HLM 9.09). FS Date: 4/18/2012 12:37:00 PM	phtos of clisted in the Inpect ID- for WS or S inlet. gated metoelow the crete "U" heards should y matches	LS eared e # utlet al crown. eadwalls d be s the	39.476839 ° 39.121.737540 ° -12	
259 9.09 9.09 Supplemental DWR UCIP LS Field Study	M Inspector Comments: FS_ID:4760 En EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection o slopes due to dense vegetation. Need WS and LS slopes. This crossing was USACE Periodic Inspections as Corp's USACE_CESPK_M13D_2011_p_0278 sedimentation and sediment/grass at L FIELD_STRUCT_DESC: 36-inch corru drainpipe through the levee, 10.2 feet t Flap gate on the waterward end. Conci on both ends (USACE-1960). Flashbod present on the landward side. This ent Drainage or Irrigation Structure referen manual (HLM 9.09). FS Date: 4/18/2012 12:37:00 PM	photos of listed in the Inpect ID- for WS of S inlet. gated met below the deter "U" heards should by matches	LS cleared e # utlet al crown. adwalls d be s the	121.737540°-12	
260 9.09 9.09 Supplemental DWR UCIP Field Study	M Inspector Comments: FS_ID:4051 En EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection o slopes due to dense vegetation. FIELD_STRUCT_DESC: 36-inch corru drainpipe through the levee, 10.2 feet t Flap gate on the waterward end. Conco on both ends (USACE-1960). Flashbox present on the landward side. This ent Drainage or Irrigation Structure referen manual (HLM 9.09). FS Date: 4/19/2012 12:37:00 PM	gated met below the d ete "U" he ards should by matches	LS al crown. adwalls d be s the	121.737541 ° -12	9.476839° 269 1.737541°
				DWR ID: DWR_MA001	3_01_f _ 2013_269

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

				Wa	terway				Bank	Unit Miles	Inspection Start/End	Inspector
				Unit No. 01 C	Cherok	ee Ca	nal		Right	18.87	10/31/2013 10/31/2013	Bob Duffey
	Levee Start	Mile	Category	Item	Location		Action	/Comment			GPS Latitude/I	Longitude Issue No. End Photo
261	9.84	9.87	Earthen Levee	Trim / Thin Trees	LS N		rim trees to at least fiv	e feet above	ground		39.467170 ° 3 -121.743887 ° -12 DWR ID: DWR_MA00	
262	9.89	9.89	Earthen Levee	Encroachments	LS N		Material				39.466635 ° 3 -121.744228 ° -12 DWR ID: DWR_MA00	
263 1	1.20	13.47	Earthen Levee	Encroachments	WS N		Ditch				39.449777 ° 3 -121.755103 ° -12 DWR ID: DWR_MA00	
264 1	1.75	11.76	Supplemental	USACE Erosion Survey		a cause of the	ctor Comments: 2011 ed by irrigation diversio e extended inventory, la HK_11-7_R]	n structure.	2012: Sit	e is part	39.442821° 3 -121.759851° -12	9.442738 ° 11 1.759908 °
265 1	2.36	12.36	Supplemental	DWR UCIP Field Study	WS M	Repa Cross UCIP due to Need WS o FIELD throug corrug Conco 1960) Struc	ctor Comments: FS_IE IO: N/A ir Type: Non-Urgent sing Status: Found Comments: Limited in o dense vegetation. Wi photos of cleared WS D_STRUCT_DESC: 30 gh the levee, 11.0 feet gated metal pipe riser rete "U" headwall on th J. This entry matches th ture referenced in O&N ate: 4/18/2012 12:25:0	aspection on S outlet of pi and LS slope is cle oring below the cron the water landward she Drainage of manual (HI	pe not for pes. Dete peared. ated met rown. Slic ward slop side. (US or Irrigat	LS slope und. rmine if al pipe de gate in oe. ACE-ion		
266 1	2.36	12.36	Supplemental	DWR UCIP Field Study	WS M	EP_N Repa	ctor Comments: FS_IE IO: N/A ir Type: Non-Urgent sing Status: Found	D:4061				9.435169° 271

* Location

LS: Land Side

WS: Water Side

CR: Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

UCIP Comments: Limited inspection on WS and LS slope due to dense vegetation. WS outlet of pipe not found. FIELD_STRUCT_DESC: 30-inch corrugated metal pipe through the levee, 11.0 feet below the crown. Slide gate in corrugated metal pipe riser on the waterward slope. Concrete "U" headwall on the landward side. (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 12.38).

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

FS Date: 4/18/2012 12:25:00 PM

DWR ID: DWR_MA0013_01_f _ 2013_271

Flood Control Project Maintenance Levee Inspections

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

	Wat	terway		Bank	Unit Miles	Inspection Start/End	Inspector
	Unit No. 01 C	heroke	e Canal	Right	18.87	10/31/2013 10/31/2013	Bob Duffey
Levee Mile Start End Category	Item	Rating ** + Location *	Action/Comment			GPS Latitude/L	ongitude Issue No. End Photo
²⁶⁷ 12.36 12.36 Supplemental	DWR UCIP Field Study	WS M En	Inspector Comments: FS_ID:15829 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection on due to dense vegetation. WS outlet of pi Need photos of cleared WS and LS slope WS outlet daylights after WS slope is cle Slopes have been cleared of vegetation condition. Still no sign of WS end of pip FIELD_STRUCT_DESC: 30-inch corrug. through the levee, 11.0 feet below the cr corrugated metal pipe riser on the water Concrete "U" headwall on the landward s 1960). This entry matches the Drainage Structure referenced in O&M manual (HI FS Date: 7/16/2013 9:54:29 AM	pe not fo es. Deter eared.7/1 and are i e. ated meta own. Slid ward slop side. (US or Irrigati	LS slope und. mine if 5/2013 n good al pipe le gate in be. ACE- on	39.435169 ° 39.121.765290 ° -12	
268 12.36 12.36 Supplemental	DWR UCIP Field Study	WS M En	Inspector Comments: FS_ID:15830 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection on due to dense vegetation. WS outlet of pi Need photos of cleared WS and LS slop WS outlet daylights after WS slope is cle Slopes have been cleared of vegetation condition. Still no sign of WS end of pip FIELD_STRUCT_DESC: 30-inch corrug through the levee, 11.0 feet below the cr corrugated metal pipe riser on the waten Concrete "U" headwall on the landward s 1960). This entry matches the Drainage Structure referenced in O&M manual (HI FS Date: 7/16/2013 9:56:06 AM	pe not fo es. Deter eared.7/1 and are i e. ated metrown. Slid ward slop side. (US or Irrigati	LS slope und. mine if 5/2013 n good al pipe le gate in be. ACE- on		9.435169 ° 273 1.765290 °
269 12.36 12.36 Supplemental	DWR UCIP Field Study	WS M En	Inspector Comments: FS_ID:5435 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection on due to dense vegetation. WS outlet of pi Need photos of cleared WS and LS slop WS outlet daylights after WS slope is cle FIELD_STRUCT_DESC: 30-inch corrug, through the levee, 11.0 feet below the cr corrugated metal pipe riser on the water Concrete "U" headwall on the landward of 1960). This entry matches the Drainage Structure referenced in O&M manual (HI FS Date: 4/18/2012 12:25:00 PM	pe not fo es. Deter eared. ated metrown. Slid ward slop side. (US or Irrigati	LS slope und. mine if al pipe le gate in be. ACE- on	39.435169° 39.435169° -12°	0.435169 ° 274 1.765290 °
						DWR ID: DWR_MA001	3_01_f _ 2013_274

Location LS: Land Side WS : Water Side CR : Crown Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

		Wa	terway		Bank	Unit Miles	Inspection Start/End	Inspect	tor
		Unit No. 01 C	Cheroke	e Canal	Right	18.87	10/31/2013 10/31/2013	Bob Duffey	
Levee Mile Start End	Category	Item	Rating ** + Location *	Action/Comment			GPS Latitude/I		Issue No. Photo
270 12.36 12.36	Supplemental	DWR UCIP Field Study	WS M En	Inspector Comments: FS_ID:5674 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection on due to dense vegetation. WS outlet of p Need photos of cleared WS and LS slop WS outlet daylights after WS slope is cle FIELD_STRUCT_DESC: 30-inch corrug through the levee, 11.0 feet below the corrugated metal pipe riser on the water Concrete "U" headwall on the landward 1960). This entry matches the Drainage Structure referenced in O&M manual (H FS Date: 4/18/2012 12:25:00 PM	ipe not fo bes. Deter eared. lated met rown. Slic ward slop side. (US or Irrigati	LS slope und. rmine if al pipe de gate in be. ACE- ion	39.435169 ° 3.121.765290 ° -12	1.765290°	
271 12.37 12.37	Supplemental	DWR UCIP Field Study	WS M En	Inspector Comments: FS_ID:4762 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection on dry vegetation. Need photos of cleared I FIELD_STRUCT_DESC: 36-inch corrug irrigation pipe through the levee, 9.8 fee Slide gate in corrugated metal pipe riser slope. Concrete "U" headwall on the lan (USACE-1960). This entry matches the Irrigation Structure referenced in O&M n 12.38). FS Date: 4/18/2012 12:28:00 PM	LS slope. Lated met t below the on the well dward side Drainage	e due to al ne crown. vaterward de	39.435152° 3.121.765300° -12	1.765300°	
272 12.37 12.37	Supplemental	DWR UCIP Field Study	WS M En	Inspector Comments: FS_ID:5436 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection on dry vegetation. Need photos of cleared I FIELD_STRUCT_DESC: 36-inch corrugirrigation pipe through the levee, 9.8 fee Slide gate in corrugated metal pipe riser slope. Concrete "U" headwall on the lan (USACE-1960). This entry matches the Irrigation Structure referenced in O&M n 12.38). FS Date: 4/18/2012 12:28:00 PM	LS slope. Lated met t below the on the well dward side Drainage	e due to al ne crown. vaterward de or		9.435152 ° 1.765300 °	277

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

V	Vaterway	Bank Unit Miles			Inspection Start/End	Inspector
Unit No. 01	Cheroke	e Canal	18.87	10/31/2013 Bob 10/31/2013 Duffey		
Levee Mile Start End Category Item	Rating ** + Location *	Action/Comment			GPS Latitude/L	ongitude Issue No. End Photo
²⁷³ 12.37 12.37 Supplemental DWR UCIP Field Study	WS M En	Inspector Comments: FS_ID:5675 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection on dry vegetation. Need photos of cleared I FIELD_STRUCT_DESC: 36-inch corrug irrigation pipe through the levee, 9.8 fee Slide gate in corrugated metal pipe riser slope. Concrete "U" headwall on the lan (USACE-1960). This entry matches the Irrigation Structure referenced in O&M n 12.38). FS Date: 4/18/2012 12:28:00 PM	S slope. ated meta to below the conthe word side of the word side of the conthe word side of the conthe conthe of the conthe of	due to al e crown. aterward le or	39.435152 ° 3! 121.765300 ° -12	
274 12.37 12.37 Supplemental DWR UCIP Field Study	WS M En	Inspector Comments: FS_ID:4062 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection on dry vegetation. FIELD_STRUCT_DESC: 36-inch corrug irrigation pipe through the levee, 9.8 fee Slide gate in corrugated metal pipe riser slope. Concrete "U" headwall on the lan (USACE-1960). This entry matches the Irrigation Structure referenced in O&M n 12.38). FS Date: 4/18/2012 12:28:00 PM	ated meta t below the on the w dward sid Drainage	due to al e crown. aterward le or	39.435152° 39.121.765297° -12	9.435152 ° 279 1.765297 °
275 12.37 12.37 Supplemental DWR UCIP Field Study	WS M En	Inspector Comments: FS_ID:4059 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection on due to dense vegetation. WS outlet of p FIELD_STRUCT_DESC: 30-inch corrug through the levee, 11.0 feet below the ci corrugated metal pipe riser on the water Concrete "U" headwall on the landward 1960). This entry matches the Drainage Structure referenced in O&M manual (H FS Date: 4/18/2012 12:25:00 PM	ipe not for ated meta rown. Slid ward slop side. (US. or Irrigati	LS slope und. al pipe le gate in oe. ACE- on	DWR ID: DWR_MA001 39.435169 ° 39 121.765295 ° -12	9.435169 ° 280

DWR ID: DWR_MA0013_01_f _ 2013_280

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

	Waterway Bank Unit							ctor
Un	nit No. 01 Chero	ke	e Canal	Right	18.87	10/31/2013 10/31/2013	Bob Duffe	
Levee Mile Start End Category	Item **	Rating	Action/Comment			GPS Latitude/I	ongitude End	Issue No. Photo
276 12.38 12.38 Supplemental DWI Field		M En	Inspector Comments: FS_ID:4060 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection on dry vegetation. FIELD_STRUCT_DESC: 36-inch corrug irrigation pipe through the levee, 9.8 fee Slide gate in corrugated metal pipe riser slope. Concrete "U" headwall on the lan (USACE-1960). This entry matches the Irrigation Structure referenced in O&M n 12.38). FS Date: 4/18/2012 12:28:00 PM	due to al e crown. aterward le or	39.435152 ° 3 121.765297 ° -12	9.435152° 1.765297°	281	
277 12.92 12.92 Supplemental DWI Field			Inspector Comments: FS_ID:4063 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Damage to WS levee concrete wing wall. FIELD_STRUCT_DESC: 30-inch corrug drainpipe through the levee, 10.7 feet be Slide gate in corrugated metal pipe riser slope. Concrete "U" headwalls on both s 1960). This entry matches the Drainage Structure referenced in O&M manual (H FS Date: 4/18/2012 12:29:00 PM	ated meta elow the conthe was on the was or Irrigati	pehind al crown. aterward SACE- on	DWR ID: DWR_MA00 39.428070 ° 3 121.770081 ° -12	9.428070 ° 1.770081 °	282 Y
278 13.50 13.50 Supplemental DWI Field			Inspector Comments: FS_ID:15846 EP_NO: 17030 Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: Attempt to locate this next inspection when tall grass is cleare for utility markers.7/15/2013 Same as la Unable to locate any markers. FIELD_STRUCT_DESC: Three 2-inch-c Three 1.5-inch-diameter conduits contai cables across and under (bored) Cherok levees. The permit indicates the conduit at least 5-feet below the bottom of the lo channel. (Permit No. 17030-2000) FS Date: 7/16/2013 10:04:58 AM	d from slo ast inspectant diameter a ning fiber see Canal s must be	during opes-look otion. and optic land its element		9.420920 ° 1.775300 °	283

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector		
Unit No. 01 Cherokee Canal	Right	18.87	10/31/2013 10/31/2013	Bob Duffey		
Levee Mile Category Item Start End Category Action/Comme	nt		GPS Latitude/	Longitude Issue No. Photo		
279 13.50 13.50 Supplemental DWR UCIP Field Study WS M En EP_NO: 17030 Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: Attempt to locate to next inspection when tall grass is cle for utility markers. FIELD_STRUCT_DESC: Three 2-inc Three 1.5-inch-diameter conduits concables across and under (bored) Chelevees. The permit indicates the con-	Inspector Comments: FS_ID:5676 EP_NO: 17030 Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: Attempt to locate this crossing during next inspection when tall grass is cleared from slopes-look for utility markers. FIELD_STRUCT_DESC: Three 2-inch-diameter and Three 1.5-inch-diameter conduits containing fiber optic cables across and under (bored) Cherokee Canal and its levees. The permit indicates the conduits must be bored at least 5-feet below the bottom of the low flow of the channel. (Permit No. 17030-2000)					
280 13.50 13.50 Supplemental DWR UCIP Field Study WS M En EP_NO: 17030 Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: Attempt to locate to next inspection when tall grass is cle for utility markers. FIELD_STRUCT_DESC: Three 2-incompart Three 1.5-inch-diameter conduits concables across and under (bored) Chellevees. The permit indicates the contable at East 5-feet below the bottom of the channel. (Permit No. 17030-2000) FS Date: 4/18/2012 12:31:00 PM	ared from sind the diameter of	during opes-look and r optic Il and its e bored	DWR ID: DWR_MA00 39.420920 °121.775300 ° -12	39.420920 ° 285 21.775300 °		
281 13.50 13.50 Supplemental DWR UCIP Field Study WS M En EP_NO: 17030 Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: Attempt to locate to next inspection when tall grass is cle for utility markers. FIELD_STRUCT_DESC: Three 2-incomparts and under (bored) Chellevees. The permit indicates the contact at least 5-feet below the bottom of the channel. (Permit No. 17030-2000) FS Date: 4/18/2012 12:31:00 PM	ared from sl h-diameter ataining fibe erokee Cana duits must b	during opes-look and r optic Il and its e bored		39.420920 ° 286 21.775300 °		

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway		Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cheroke	ee Canal	Right	18.87	10/31/2013 10/31/2013	Bob Duffey
Levee Mile No. Start End Category Item Taking + Rating +	Action/Comment			GPS Latitude/L	ongitude Issue No. End Photo
282 13.96 13.96 Supplemental DWR UCIP Field Study En	Inspector Comments: FS_ID:15848 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Tree has fallen at LS i slide gate. The tree needs to be remove repaired. Limited inspection on LS due to tree.7/15/2013 Same as last inspection. FIELD_STRUCT_DESC: 24-inch corrugi drainpipe through the levee, 12.7 feet be Flap gate on the waterward side. Concre on both ends (USACE-1960). FS Date: 7/16/2013 10:07:23 AM	ed and so o fallen ated metal elow the c	damaged rew gate al crown.		9.416833 ° 287 1.781930 °
283 13.96 13.96 Supplemental DWR UCIP WS M Field Study En	Inspector Comments: FS_ID:4065 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Tree has fallen at LS i slide gate. The tree needs to be remove repaired. Limited inspection on LS due to FIELD_STRUCT_DESC: 24-inch corruga drainpipe through the levee, 12.7 feet be Flap gate on the waterward side. Concre on both ends (USACE-1960). FS Date: 4/18/2012 12:34:00 PM	ed and so o fallen tr ated metal elow the co	damaged rew gate ree. al crown.	.121.781927 ° -12	
284 13.96 13.96 Supplemental DWR UCIP Field Study WS M En	Inspector Comments: FS_ID:5440 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Tree has fallen at LS i slide gate. The tree needs to be remove repaired. Limited inspection on LS due to FIELD_STRUCT_DESC: 24-inch corruga drainpipe through the levee, 12.7 feet be Flap gate on the waterward side. Concre on both ends (USACE-1960). FS Date: 4/18/2012 12:34:00 PM	ed and so o fallen tr ated metal elow the co	damaged rew gate ree. al crown.	39.416833 ° 39.416833 ° 39.416833 ° -12.416833 ° -12.416833 ° 39.416833 ° -12.41683 ° -12.41	9.416833 ° ²⁸⁹
285 13.96 13.96 Supplemental DWR UCIP Field Study WS M En	Inspector Comments: FS_ID:5489 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Tree has fallen at LS i slide gate. The tree needs to be remove repaired. Limited inspection on LS due to FIELD_STRUCT_DESC: 24-inch corrugi drainpipe through the levee, 12.7 feet be Flap gate on the waterward side. Concre on both ends (USACE-1960). FS Date: 4/18/2012 12:34:00 PM	ed and so o fallen tr ated metal elow the o	damaged rew gate ree. al crown.	DWR ID: DWR_MA001 39.416833 ° 39.416833 ° -127.781930 ° -127	9.416833 ° 290 1.781930 ° Y
WS : Water Side M : Minimally Acceptable C : 0	+ Issue Type Not Inspected/Rated	stem Obsol			
Thursday December 12, 2012, 15:02	FINAL DATA				Page 06 of 120

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

	Waterway					Unit Miles	Inspection Start/End	Inspec	ctor
Unit No. 01 Cherokee Canal					Right	18.87	10/31/2013 10/31/2013	Bob Duffe	-
Levee Mile Start End	Category	Item	Rating ** + Location	Action/Comment			GPS Latitude	/Longitude End	No. Photo
²⁸⁶ 13.96 13.96	Supplementa	DWR UCIP Field Study	WS M En	Inspector Comments: FS_ID:2988 EP_NO: N/A Repair Type: Non-Urgent		-	39.416810 ° 121.781940 ° -1	39.416810 ° 21.781940 °	

Flap gate on the waterward side. Concrete "U" headwall on both ends (USACE-1960). FS Date: 4/18/2012 12:34:04 PM

Crossing Status: Found

tree needs to be removed.

DWR ID: DWR MA0013 01 f 2013 291

287 13.96 13.96 Supplemental DWR UCIP WS U Inspector Comments: FS_ID:3141 Field Study EP_NO: N/A En

Repair Type: Urgent Crossing Status: Found UCIP Comments: Tree has fallen at land side inlet and damaged screw gate. The tree needs to be removed and screw gate repaired. FIELD_STRUCT_DESC: 24-inch corrugated metal drainpipe through the levee, 12.7 feet below the crown. Flap gate on the waterward side. Concrete "U" headwall

UCIP Comments: Tree has fallen at land side inlet. The

FIELD_STRUCT_DESC: 24-inch corrugated metal drainpipe through the levee, 12.7 feet below the crown.

on both ends (USACE-1960). FS Date: 4/18/2012 12:34:00 PM

DWR ID: DWR_MA0013_01_f _ 2013_292

288 13.96 13.96 Supplemental DWR UCIP Field Study WS U Inspector Comments: FS_ID:3436 EP_NO: N/A En

Repair Type: Urgent Crossing Status: Found UCIP Comments: Tree has fallen at land side inlet and damaged screw gate. The tree needs to be removed and screw gate repaired. FIELD_STRUCT_DESC: 24-inch corrugated metal drainpipe through the levee, 12.7 feet below the crown.

Flap gate on the waterward side. Concrete "U" headwall on both ends (USACE-1960). FS Date: 4/18/2012 12:34:00 PM

DWR ID: DWR MA0013 01 f 2013 293

39.416833 ° 39.416833 ° 293 -121.781927 ° -121.781927 °

39.416810 ° 39.416810 ° 292

-121.781940 ° -121.781940 °

Location LS: Land Side WS: Water Side CR : Crown

Rating

M : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated Corrected : Acceptable but Monitor & Maintain + Issue Type

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

	,	Waterway		Bank	Unit Miles	Inspection	Inspector	
	Unit No. 0		e Canal	Right	18.87	Start/End 10/31/2013	Bob Duffey	
	OTHE 140: 0	TOTICIONO	Countri		10.0.	10/31/2013 Duffe		
Levee Mile	egory Item	Rating ** + Location *	Action/Comment			GPS Latitude/	Longitude Issue No.	
्र Start End		ion +	, totto i i o o o o o o o o o o o o o o o			Start	End Photo	
289 13.97 13.97 Suppl	Field Study	WS M	Inspector Comments: FS_ID:15849 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Non-functional crossin gate on WS. Limited inspeciton on WS a due to dense vegetation. Need photo of slopes or toe.This crossing is listed in the inspeciton report as Corp's Inspection ID USACE_CESPK_M13D_2011_p_0352 f gate on WS slope.7/15/2013 Same as II FIELD_STRUCT_DESC: Abandoned 12 drainpipe through the levee, 3 feet below valve on the waterward slope. 1/4-inch s on both ends (USACE-1960). This entry Drainage or Irrigation Structure reference manual (HLM 13.97). FS Date: 7/16/2013 10:10:19 AM	slide ope/toe WS & LS E periodic loned ection. el wn. Gate e welded the	.121.782060 ° -12			
²⁹⁰ 13.97 13.97 Suppl	Field Study	WS M En	Inspector Comments: FS_ID:4905 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Non-functional crossin gate on WS. Limited inspeciton on WS a due to dense vegetation. Need photo of slopes or toe.This crossing is listed in the inspeciton report as Corp's Inspection ID USACE_CESPK_M13D_2011_p_0352 f gate on WS slope. FIELD_STRUCT_DESC: Abandoned 12 drainpipe through the levee, 3 feet below valve on the waterward slope. 1/4-inch s on both ends (USACE-1960). This entry Drainage or Irrigation Structure reference manual (HLM 13.97). FS Date: 4/18/2012 12:36:00 PM	and LS sl cleared e USACE of or aband inch stee of the crow teel plate matches	slide ope/toe WS & LS E periodic loned el wn. Gate e welded	39.416756 ° 3.121.782060 ° -12	21.782060°	

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

		W	aterway		Bank	Unit Miles	Inspection Start/End	Inspector
		Unit No. 01	Cheroke	e Canal	Right	18.87	10/31/2013 10/31/2013	Bob Duffey
Levee Mile Start End	Category	Item	Rating ** + Location	Action/Comment			GPS Latitude/L	Longitude Issue No. End Photo
²⁹¹ 13.97 13.97	Supplemental	DWR UCIP Field Study	WS M En	Inspector Comments: FS_ID:5715 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Non-functional crossin gate on WS. Limited inspeciton on WS a due to dense vegetation. Need photo of slopes or toe.This crossing is listed in th inspeciton report as Corp's Inspection ID USACE_CESPK_M13D_2011_p_0352 f gate on WS slope. FIELD_STRUCT_DESC: Abandoned 12 drainpipe through the levee, 3 feet below valve on the waterward slope. 1/4-inch s on both ends (USACE-1960). This entry Drainage or Irrigation Structure reference manual (HLM 13.97). FS Date: 4/18/2012 12:36:00 PM	slide ope/toe WS & LS E periodic loned el wn. Gate e welded the	39.416756 ° 3 -121.782060 ° -12		
292 13.97 13.97	Supplemental	DWR UCIP Field Study	WS M En	Inspector Comments: FS_ID:4066 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspeciton on slope/toe due to dense vegetation. It app abandoned, only slide gate is visible on is listed in the USACE periodic inspecito Inspection ID# USACE_CESPK_M13D_ FIELD_STRUCT_DESC: Abandoned 12 drainpipe through the levee, 3 feet below valve on the waterward slope. 1/4-inch s on both ends (USACE-1960). This entry Drainage or Irrigation Structure reference manual (HLM 13.97). FS Date: 4/18/2012 12:36:00 PM	pears that WS. This on report a 2011_p_ inch ster or the crow teel plate matches	LS t pipe is crossing accorp's 0352. el wn. Gate welded	39.416756 ° 3 -121.782056 ° -12	

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

	Waterway Bank Unit M								
	Unit No. 01 (Cheroke	e Canal	Right	18.87	Start/End 10/31/2013 10/31/2013	Bob Duffey		
Levee Mile Start End Category	Item	Rating ** + Location *	Action/Comment			GPS Latitude/	Longitude Issue No. End Photo		
293 13.97 13.97 Supplementa	DWR UCIP Field Study	WS M En	404 70000 4 404 700						
²⁹⁴ 13.97 13.97 Supplementa	al DWR UCIP Field Study	WS U En	Inspector Comments: FS_ID:5663 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: Non-functional crossing ate on WS. Limited inspeciton on WS adue to dense vegetation. Need photo of slopes or toe.This crossing is listed in the inspeciton report as Corp's Inspection ID USACE_CESPK_M13D_2011_p_0352 fgate on WS slope. FIELD_STRUCT_DESC: Abandoned 12 drainpipe through the levee, 3 feet below valve on the waterward slope. 1/4-inch s on both ends (USACE-1960). This entry Drainage or Irrigation Structure reference manual (HLM 13.97). FS Date: 4/18/2012 12:36:00 PM	and LS si cleared e USACE of for aband inch ster v the crov teel plate matches	slide ope/toe WS & LS E periodic oned el vn. Gate e welded the	39.416756 ° 3 121.782060 ° -12	9.416756° 299 1.782060°		

Flood Control Project Maintenance Levee Inspections

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Wa	Waterway							
Unit No. 01 C	Cherokee Ca	anal	Right	18.87	5.87 10/31/2013 Bo 10/31/2013 Duf			
Levee Mile Start End Category Item	Rating ** + Location	Action/Comment			GPS Latitude/L	ongitude Issue No. End Photo		
295 13.97 13.97 Supplemental DWR UCIP Field Study	En EP_ Rep Cros UCII gate due slop insp USA gate FIEII valv on b Drai man	104 700000 0 404 70000						
²⁹⁶ 13.97 13.97 Supplemental DWR UCIP Field Study	slide ope/toe WS & LS E periodic oned el vn. Gate e welded the		0.416756 ° 301 .782060 °					

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

		Waterway				Bank	Unit Miles	Inspection Start/End	Inspe	ctor
	Unit No.	01 Cheroke	e Canal			Right	18.87	10/31/2013 10/31/2013	Bol Duff	
Levee Mile Start End Category	/ Item	Rating ** + Location		Action	/Comment			GPS Latitude	/Longitude End	Issue No. Photo
297 13.97 13.97 Supplement	ntal DWR UCIP Field Study	WS M	EP_NO: N/A Repair Type: Crossing Stat UCIP Comme crossing. It at gate is visible slope/toe due WS & LS slot USACE perio ID# USACE_ gate on WS s FIELD_STRU drainpipe thro valve on the v on both ends Drainage or I manual (HLM	tus: Found ents: Buried slic ppears that pipe e on WS. Limite e to dense vege pes or toe.This odic inspeciton i CESPK_M13D slope. JCT_DESC: Ab ough the levee, waterward slope (USACE-1960 rrigation Structu	de gate on We is abandored inspeciton tation. Need crossing is I report as Co_2011_p_03 andoned 12 3 feet below e. 1/4-inch s.). This entry ure reference	ned, only on WS; d photo d isted in t rp's Inspo 52 for ab inch stee the crow teel plate matches	unctional slide and LS if cleared he ection pandoned el vn. Gate welded the	39.416756° 121.782060° -1	39.416756 ° 21.782060 °	
298 14.79 14.79 Supplement	ntal DWR UCIP Field Study		EP_NO: N/A Repair Type: Crossing Stat UCIP Commedense vegeta FIELD_STRU drainpipe thro- Flap gate on on both ends Drainage or I manual (HLM)	tus: Found ents: Limited in: ation. The flap g JCT_DESC: 36 bugh the levee, the waterward (USACE-1960) rrigation Structu	spection on pate is lodge- inch corruga 12.9 feet be end. Concre). This entry ure reference	d open. ated met low the c te "U" he matches	due to al crown. adwalls the	DWR ID: DWR_MAG 39.409481 ° -121.794011 ° -1	39.409481 °C 21.794011 °C	° 303
299 14.79 14.79 Supplement	ntal DWR UCIP Field Study		EP_NO: N/A Repair Type: Crossing Stat UCIP Commedense vegeta slopes. The fl FIELD_STRL drainpipe thr Flap gate on on both ends Drainage or I manual (HLM	tus: Found ents: Limited in ation. Need pho lap gate is lodg JCT_DESC: 36 ough the levee, the waterward (USACE-1960 rrigation Struction	spection on tos of cleare ed open. -inch corrug; 12.9 feet be end. Concre). This entry ure reference	d WS & ated met low the c te "U" he matches	due to LS al crown. adwalls the		39.409481 °C 21.794010 °C	° 304

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

300 14.79 14.79 Supplemental DWR UCIP Field Study Signature Sig	-121.794010 ° -121.794010 ° gent
300 14.79 14.79 Supplemental DWR UCIP Field Study Field Study WS M Inspector Comments: Field Study En EP_NO: N/A Repair Type: Non-Urge Crossing Status: Found UCIP Comments: Limit dense vegetation. Nees slopes. The flap gate is	Action/Comment Start End Photo
Field Study En EP_NO: N/A Repair Type: Non-Urge Crossing Status: Found UCIP Comments: Limit dense vegetation. Nee slopes. The flap gate is	-121.794010 ° -121.794010 ° gent nd nited inspection on LS slope due to
condition. WS flapgate FIELD_STRUCT_DES drainpipe through the le Flap gate on the waten on both ends (USACE-	SC: 36-inch corrugated metal levee, 12.9 feet below the crown. erward end. Concrete "U" headwalls E-1960). This entry matches the Structure referenced in O&M
dense vegetation. Nee slopes. The flap gate is FIELD_STRUCT_DES drainpipe through the le Flap gate on the waten on both ends (USACE-	SES_ID:5677 39.409481 ° 39.409481 ° 306 -121.794010 ° -121.794010 ° gent and inited inspection on LS slope due to led photos of cleared WS & LS is lodged open. SC: 36-inch corrugated metal levee, 12.9 feet below the crown. erward end. Concrete "U" headwalls E-1960). This entry matches the Structure referenced in O&M 2:43:00 PM
	DWR ID: DWR_MA0013_01_f_2013_306
dense vegetation. Nee slopes. The flap gate is have been cleared of v condition. WS flapgate FIELD_STRUCT_DES drainpipe through the left flap gate on the waten on both ends (USACE-	gent nd nited inspection on LS slope due to led photos of cleared WS & LS is lodged open.7/15/2013 Slopes legistation and are in good lete is still lodged open. SC: 36-inch corrugated metal levee, 12.9 feet below the crown. letward end. Concrete "U" headwalls E-1960). This entry matches the Structure referenced in O&M

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

		Waterway				Bank	Unit Miles	Inspection Start/End	Inspector
	Unit No	. 01 Cherok	ee Canal			Right	18.87	10/31/2013 10/31/2013	Bob Duffey
Levee Mile Start End Categ	ory Item	** + Location *		Action/Co	omment			GPS Latitude/	Longitude Issue No. End Photo
303 14.79 14.79 Suppler	mental DWR UCI Field Stud		EP_NO: N Repair Typ Crossing S UCIP Com dense veg slopes. Th FIELD_ST drainpipe t Flap gate o on both en Drainage o manual (H	Comments: FS_ID:48 //A be: Non-Urgent Status: Found Iments: Limited inspectation. Need photos e flap gate is lodged RUCT_DESC: 36-inc hrough the levee, 12 on the waterward enc ds (USACE-1960). To or Irrigation Structure LM 14.79). Id:/18/2012 12:43:00 P	due to LS al crown. adwalls the	39.409481 ° (; :121.794010 ° -12			
³⁰⁴ 15.06 15.06 Earther Levee	Vegetation	n LS A Ma		ol annual grass and v nents.	weeds on t	the leve		39.407156 ° 3 -121.797825 ° -12 DWR ID: DWR_MA00	
305 15.12 15.12 Suppler	mental DWR UCI Field Stud		EP_NO: N Repair Typ Crossing S UCIP Com due to den and photos FIELD_ST drainpipe t Flap gate o on both en Drainage o manual (H	be: Non-Urgent Status: Found Iments: Limited inspense vegetation. Need s of cleared WS & LS RUCT_DESC: 36-inc hrough the levee, 12 on the waterward enc ds. (USACE-1960). or Irrigation Structure	ection on V overall ph- S slopes. Ch corruga 2.4 feet bel- d. Concrete This entry reference	oto of cr ted meta ow the co e "U" he matches	LS slope cossing al crown. adwalls at the	39.406570 ° (:121.798770 ° -12	
306 15.12 15.12 Suppler	mental DWR UCI Field Stud		EP_NO: N Repair Typ Crossing S UCIP Com due to den FIELD_ST drainpipe t Flap gate o on both en Drainage o manual (H	Comments: FS_ID:40 /A be: Non-Urgent Status: Found Imments: Limited inspense vegetation. RUCT_DESC: 36-inchrough the levee, 12 on the waterward encodes. (USACE-1960). For Irrigation Structure LM 15.12). //18/2012 12:44:00 P	ection on V ch corruga 2.4 feet bel d. Concrete This entry reference	ted meta ow the co e "U" he matches	LS slope al rown. adwalls s the	39.406570 ° (-121.798768 ° -12	

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspect	tor	
Unit No. 01 Cherokee Canal	Right	18.87	10/31/2013 10/31/2013	Bob Duffey		
Levee Mile No. Start End Category Item Levee Mile **ation Part P			GPS Latitude/I	_ongitude	Issue No. Photo	
307 15.12 15.12 Supplemental DWR UCIP Field Study LS M En EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection or due to dense vegetation. Need overall p and photos of cleared WS & LS slopes FIELD_STRUCT_DESC: 36-inch corrug drainpipe through the levee, 12.4 feet b Flap gate on the waterward end. Concr on both ends. (USACE-1960). This enti	NO: N/A pair Type: Non-Urgent ssing Status: Found P Comments: Limited inspection on WS and LS slope to dense vegetation. Need overall photo of crossing photos of cleared WS & LS slopes. LD_STRUCT_DESC: 36-inch corrugated metal npipe through the levee, 12.4 feet below the crown. To gate on the waterward end. Concrete "U" headwalls both ends. (USACE-1960). This entry matches the inage or Irrigation Structure referenced in O&M hual (HLM 15.12).					
308 15.12 15.12 Supplemental DWR UCIP Field Study LS M En EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection or due to dense vegetation. Need overall a and photos of cleared WS & LS slopes FIELD_STRUCT_DESC: 36-inch corrue drainpipe through the levee, 12.4 feet b Flap gate on the waterward end. Concr on both ends. (USACE-1960). This enti Drainage or Irrigation Structure reference manual (HLM 15.12). FS Date: 4/18/2012 12:44:00 PM	ohoto of control gated metolelow the control ete "U" here y matche	LS slope rossing tal crown. eadwalls s the	DWR ID: DWR_MA00 39.406570 ° 3 -121.798770 ° -12	9.406570° 1.798770°	312	
309 15.12 15.12 Supplemental DWR UCIP Field Study LS M En EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection or due to dense vegetation. Need overall p and photos of cleared WS & LS slopes Slopes have been cleared of vegetatior condition. FIELD_STRUCT_DESC: 36-inch corrue drainpipe through the levee, 12.4 feet b Flap gate on the waterward end. Concr on both ends. (USACE-1960). This enti Drainage or Irrigation Structure reference manual (HLM 15.12). FS Date: 7/16/2013 10:16:38 AM	ohoto of c .7/15/2013 In and are if gated met relow the cete "U" he ry matche	LS slope rossing 3 in good tal crown. eadwalls s the	39.406570 ° 3 -121.798770 ° -12		Y	

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

	Bank	Unit Miles	Inspection Start/End	Inspec	ctor			
	Unit No. 01 C	heroke	ee Canal	Right	18.87	10/31/2013 10/31/2013	Bob Duffe	
Levee Mile Category	Item	Rating ** + Location	Action/Comment			GPS Latitude		INO.
Start End Category 310 15.95 15.95 Supplementa	al DWR UCIP Field Study	LS M En	Inspector Comments: FS_ID:5679 EP_NO: 7521 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection on slopes/toe due to dense vegetation. Nee cleared WS & LS slopes. FIELD_STRUCT_DESC: 30-inch corrug drainpipe through the levee, 13.6 feet be Flap gate on the waterward end. Concre on both ends. A 48 inch corrugated met located approximately 12 feet from lands (Permit No. 7521-1972) FS Date: 4/18/2012 12:46:00 PM	ed photos ated met elow the c te "U" he al standp	LS of al crown. adwalls ipe	.121.810550° -1		
311 15.95 15.95 Supplementa	al DWR UCIP Field Study	LS M En	En EP_NO: 7521 -121.810555 ° -121 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection on WS and LS slopes/toe due to dense vegetation. FIELD_STRUCT_DESC: 30-inch corrugated metal drainpipe through the levee, 13.6 feet below the crown. Flap gate on the waterward end. Concrete "U" headwalls on both ends. A 48 inch corrugated metal standpipe located approximately 12 feet from landside levee toe. (Permit No. 7521-1972) FS Date: 4/18/2012 12:46:00 PM				39.399051 °	315
312 15.95 15.95 Supplementa	al DWR UCIP Field Study	LS M En	Inspector Comments: FS_ID:5444 EP_NO: 7521 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection on slopes/toe due to dense vegetation. Nee cleared WS & LS slopes. FIELD_STRUCT_DESC: 30-inch corrug drainpipe through the levee, 13.6 feet be Flap gate on the waterward end. Concre on both ends. A 48 inch corrugated meta located approximately 12 feet from lands (Permit No. 7521-1972)	ed photos ated met elow the c te "U" he al standp	LS of al crown. adwalls ipe	39.399051° 121.810550° -1	39.399051 °	316

FS Date: 4/18/2012 12:46:00 PM

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
		Unit No. 01 C	Cherc	oke	e Canal	Right	18.87	10/31/2013 10/31/2013	Bob Duffey
Levee Mile Start End	Category	Item	Location *	Rating	Action/Comment			GPS Latitude/L	ongitude Issue No. End Photo
313 15.95 15.95	Supplementa	DWR UCIP Field Study	LS		Inspector Comments: FS_ID:4867 EP_NO: 7521 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection on slopes/toe due to dense vegetation. Nee cleared WS & LS slopes. FIELD_STRUCT_DESC: 30-inch corrug drainpipe through the levee, 13.6 feet be Flap gate on the waterward end. Concre on both ends. A 48 inch corrugated meta located approximately 12 feet from lands (Permit No. 7521-1972) FS Date: 4/18/2012 12:46:00 PM	ed photos ated meta elow the co te "U" he al standpi	LS of al crown. adwalls pe	121.810550 ° -12	
Field Study En EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 30 through the levee at approxi crown. (USACE-1960) This Irrigation Structure reference 15.95). This crossing was at BOARD issued permit.					Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 30 inch corrug through the levee at approximately 10 fe crown. (USACE-1960) This entry matchel Irrigation Structure referenced in O&M m 15.95). This crossing was altered and re	et below es the Dra nanual (H	al pipe the ainage or LM	DWR ID: DWR_MA001 39.399020 ° 38 121.810560 ° -12	9.399020° 318 1.810560°
³¹⁵ 15.95 15.95	Supplementa	DWR UCIP Field Study	LS		Inspector Comments: FS_ID:3445 EP_NO: 7521 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Backfill behind headw piping. FIELD_STRUCT_DESC: 30-inch corrug drainpipe through the levee, 13.6 feet be Flap gate on the waterward end. Concre on both ends. A 48 inch corrugated metal located approximately 12 feet from lands (Permit No. 7521-1972) ES_Pate: 4/18/2012 12:46:00 PM	ated meta elow the co te "U" he al standpi	event al rown. adwalls pe		9.399051 ° 319

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Mainter

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

FS Date: 4/18/2012 12:46:00 PM

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cherokee Canal	Right	18.87	10/31/2013 10/31/2013	Bob Duffey
Levee Mile Start End Category Item To a start Item To a			GPS Latitude/I	_ongitude Issue No.
316 15.95 15.95 Supplemental DWR UCIP Field Study Supplemental DWR UCIP Field Study LS M En EP_NO: 7521 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Backfill behind headw piping. FIELD_STRUCT_DESC: 30-inch corrug drainpipe through the levee, 13.6 feet by Flap gate on the waterward end. Concre on both ends. A 48 inch corrugated met located approximately 12 feet from land (Permit No. 7521-1972) FS Date: 4/18/2012 12:46:01 PM	39.399040 ° 3 121.810510 ° -12	9.399040 ° 320 1.810510 °		
317 15.95 15.95 Supplemental DWR UCIP Field Study LS M En EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 30 inch corrug through the levee at approximately 10 fe crown. (USACE-1960) This entry match Irrigation Structure referenced in O&M in 15.95). This crossing was altered and re BOARD issued permit. FS Date: 4/18/2012 12:49:00 PM	eet below es the Dra nanual (H	al pipe the ainage or ILM	DWR ID: DWR_MA00 39.399020 ° 3 121.810560 ° -12 DWR ID: DWR_MA00	9.399020 ° 321 1.810560 °
318 15.95 15.95 Supplemental DWR UCIP Field Study LS M Inspector Comments: FS_ID:3122 EP_NO: 7521 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Backfill behind headw piping. FIELD_STRUCT_DESC: 30-inch corrug drainpipe through the levee, 13.6 feet be Flap gate on the waterward end. Concre on both ends. A 48 inch corrugated met located approximately 12 feet from land (Permit No. 7521-1972) FS Date: 4/18/2012 12:46:00 PM	pated meta elow the c ete "U" he al standpi	event al crown. adwalls ipe		9.399040 ° 322

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway						Unit Miles	Inspection Start/End	Inspec	tor
	Unit No. 01 C	hero	oke	e Canal	Right	18.87	10/31/2013 10/31/2013	Bob Duffe	
Levee Mile Start End Category	Item	Location	Rating	Action/Comment			GPS Latitude/I	ongitude End	Issue No. Photo
319 15.95 15.95 Supplementa	DWR UCIP Field Study		M En	Inspector Comments: FS_ID:3110 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 30 inch corrug through the levee at approximately 10 fe crown. (USACE-1960) This entry matchel Irrigation Structure referenced in O&M m 15.95). This crossing was altered and re BOARD issued permit. FS Date: 4/18/2012 12:49:00 PM	39.399020 ° 39.399020 ° 323 21.810560 ° -121.810560 °				
320 15.95 15.95 Supplementa	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:3120 39.399020 ° EP_NO: N/A -121.810560 ° Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 30 inch corrugated metal pipe through the levee at approximately 10 feet below the crown. (USACE-1960) This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 15.95). This crossing was altered and redesigned under a BOARD issued permit. FS Date: 4/18/2012 12:49:00 PM				9.399020 ° 1.810560 °	
321 15.99 15.99 Supplementa	I DWR UCIP Field Study	LS		Inspector Comments: FS_ID:5494 EP_NO: 11805B Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: LS inlet is not visible-t Limited inspection on WS and LS slope/ vegetation. Need photos of cleared WS FIELD_STRUCT_DESC: 48-inch diamet concrete pipe with six concrete collars the	toe due to & LS slop ter reinfor	er. o dense oes. ced	39.398615° 3 121.811250° -12	9.398615 °	

* Location

LS: Land Side

WS: Water Side

CR: Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

1979)

FS Date: 4/18/2012 1:00:00 PM

+ Issue Type
Ma · Mainter

14.4 feet below the crown to center of conduit. Slide gate, head-wall and wood walkway on two concrete piers on waterward side of levee. Revetment on waterward slope. Irrigation ditch on the landward side. (Permit No. 11805B-

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Unit No. 01 Cherokee Canal Right 18.87 10/31/2013 Bob Duffey Levee Mile Category Item Action/Comment GPS Latitude/Longitude Issue No.		Waterway			Bank	Unit Miles	Inspection Start/End	Inspector
222 15.99 15.99 Supplemental DWR UCIP Field Study LS M Inspector Comments: FS_ID:15857 RPN:0: 118058 RPN:0: 11805	Unit N	o. 01 Cherok	ee Canal		Right	18.87	10/31/2013	
Field Study En EP, NO: 11805B En Epial Type: Non-Urgent Crossing Status: Found UCIP Comments: LS inlet is not visible-underwater. Limited inspection on WS and LS slope/toe due to dense vegetation. Need photos of cleared WS & LS slopes 7/15/2013 Same as last inspection. FIELD_STRUCT_DESC: 48-inch diameter reinforced concrete pipe with six concrete collars through the levee, 14.4 feet below the crown to center of conduit. Slide gate, head-wall and wood walkway on two concrete pipes on waterward side of levee. Revement on waterward slope, Irrigation ditich on the landward side. (Permit No. 11805B-1979) FS Date: 7/16/2013 10:30:01 AM DWR ID: DWR_IMAO13_81_f_2013_288 323 15.99 15.99 Supplemental DWR UCIP Field Study LS M Inspector Comments: FS_ID:5446 EP_NO: 11805B EP_NO: 1180		m Rating		Action/Comm	nent			No.
Field Study En EP_NO: 11805B Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection on WS and LS slope/loc due to dense vegation. LS inlet is not visible-underwater. Need photos of cleared WS & LS slopes. FIELD_STRUCT_DESC: 48-inch diameter reinforced concrete pipe with six concrete collars through the levee, 14.4 feet below the crown to center of conduit. Slide gate, head-wall and wood walkway on two concrete pipes on waterward side of levee. Revertend on waterward slope. Irrigation ditch on the landward side. (Permit No. 11805B-1979) Supplemental DWR UCIP Field Study En EP_NO: 11805B Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: FS_ID:4071 39.398615 ° 39.398615 ° 39.398615 ° 121.811246 ° -121.811246 °			EP_NO: 1 Repair Typ Crossing S UCIP Com Limited ins vegetation slopes.7/1 FIELD_ST concrete p 14.4 feet t head-wall waterward Irrigation of	1805B pe: Non-Urgent Status: Found nments: LS inlet is not vis spection on WS and LS s l. Need photos of cleared 5/2013 Same as last ins TRUCT_DESC: 48-inch di pipe with six concrete coll pelow the crown to center and wood walkway on tw l side of levee. Revetmen ditch on the landward side	sible-underwat slope/toe due t I WS & LS spection. iameter reinfor ars through the r of conduit. SI to concrete pient on waterward	er. o dense rced e levee, ide gate, irs on d slope.	-121.811250 ° -12	1.811250°
324 15.99 15.99 Supplemental DWR UCIP Field Study LS M En EP_NO: 11805B Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection on WS and LS slope/toe due to dense vegation. LS inlet is not visible- underwater. FIELD_STRUCT_DESC: 48-inch diameter reinforced concrete pipe with six concrete collars through the levee, 14.4 feet below the crown to center of conduit. Slide gate, head-wall and wood walkway on two concrete piers on waterward side of levee. Revetment on waterward slope. Irrigation ditch on the landward side. (Permit No. 11805B- 1979)			EP_NO: 1 Repair Typ Crossing S UCIP Corr slope/toe of underward FIELD_ST concrete p 14.4 feet b head-wall waterward Irrigation of 1979)	1805B pe: Non-Urgent Status: Found Inments: Limited inspection due to dense vegation. Lower. Need photos of cleared FRUCT_DESC: 48-inch dispipe with six concrete collabelow the crown to center and wood walkway on two side of levee. Revetmen ditch on the landward side	S inlet is not vid WS & LS slo iameter reinfortars through the r of conduit. Slow concrete pient of on waterward	LS isible- pes. rced e levee, ide gate, ers on d slope.	-121.811250°-12	1.811250°
			EP_NO: 1 Repair Typ Crossing S UCIP Com slope/toe of underwate FIELD_ST concrete p 14.4 feet b head-wall waterward Irrigation of	1805B pe: Non-Urgent Status: Found Imments: Limited inspection due to dense vegation. Ls per. RUCT_DESC: 48-inch di pipe with six concrete colla pelow the crown to center and wood walkway on tw l side of levee. Revetmen ditch on the landward side	S inlet is not vi iameter reinfortars through the r of conduit. Slado concrete pied to on waterward	LS sible- rced e levee, ide gate, ers on d slope.	39.398615° 3	9.398615 ° 328

+ Issue Type
Ma: Mainter

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

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Flood Control Project Maintenance Levee Inspections

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector	
			Unit No. 01 C	Cher	oke	e Canal	Right	18.87	10/31/2013 10/31/2013	Bob Duffey
Leve	e Mile End	Category	Item	Location	Rating	Action/Comment			GPS Latitude/L	ongitude Issue No. End Photo
³²⁵ 15.99	15.99	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:4869 EP_NO: 11805B Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection on slope/toe due to dense vegation. LS inle underwater. Need photos of cleared WS FIELD_STRUCT_DESC: 48-inch diame concrete pipe with six concrete collars tf 14.4 feet below the crown to center of co head-wall and wood walkway on two cor waterward side of levee. Revetment on v Irrigation ditch on the landward side. (Pe	39.398615 ° 3.121.811250 ° -12			
³²⁶ 16.45	17.42	Earthen Levee	Encroachments	LS	M En	DT : Ditch	-		9.385580 ° 7 1.831282 ° Y	
327 17.42	17.42	Supplemental	DWR UCIP Field Study	LS		Inspector Comments: FS_ID:15859 EP_NO: 3511 Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: Unable to determine i use, per permit records indicate commu installed in 1961, 1968 USACE requeste 1974 USACE communication is not aba crosses multiple levees.7/15/2013 Sam inspection. Unable to locate. FIELD_STRUCT_DESC: U.S. Army con through the levee, 3.0 feet below the cro 3511-1961) FS Date: 7/16/2013 10:32:51 AM	39.385540 ° 3.121.831280 ° -12			
328 17.42	17.42	Supplemental	DWR UCIP Field Study	LS		Inspector Comments: FS_ID:5681 EP_NO: 3511 Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: Unable to determine i use, per permit records indicate commu installed in 1961, 1968 USACE requeste 1974 USACE communication is not aba crosses multiple levees. FIELD_STRUCT_DESC: U.S. Army con through the levee, 3.0 feet below the cro 3511-1961) FS Date: 4/18/2012 1:19:00 PM	nication ced to abar ndoned. (nmunicati	still in cable was ndon line, Cable ion cable		9.385540 ° 331 1.831280 °

Flood Control Project Maintenance Levee Inspections

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

W	Bank	Unit Miles	Inspection Start/End	Inspector		
Unit No. 01	ee Canal	Right	18.87	10/31/2013 10/31/2013	Bob Duffey	
Levee Mile Catogony Itom	Rating ** + Location *	Action/Comment			GPS Latitude/I	ongitude Issue No.
Start End Category Item	ng +	Action/Comment			Start	End Photo
329 17.47 17.47 Supplemental DWR UCIP Field Study	LS M En	Inspector Comments: FS_ID:15863 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection on due to dense vegatation and steep slope cleared WS & LS slopes.7/15/2013 Slo sprayed and cleared of vegetation and a condition. WS flapgate is blocked from sediment buildup. FIELD_STRUCT_DESC: 24-inch corrug drainpipe through the levee, 8.1 feet bel Flap gate on the waterward side. Concre on both ends (USACE-1960). This entry Drainage or Irrigation Structure reference manual (HLM 17.47). FS Date: 7/16/2013 10:37:10 AM	es. Need pes have re in goo opening I ated met cow the crete "U" he matches	LS slope photos of been d boy all own.	121.832060 ° -12	
330 17.47 17.47 Supplemental DWR UCIP Field Study	LS M En	Inspector Comments: FS_ID:15864 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection on due to dense vegatation and steep slope cleared WS & LS slopes.7/15/2013 Slo sprayed and cleared of vegetation and a condition. WS flapgate is blocked from sediment buildup. FIELD_STRUCT_DESC: 24-inch corrug drainpipe through the levee, 8.1 feet bele Flap gate on the waterward side. Concre on both ends (USACE-1960). This entry Drainage or Irrigation Structure reference manual (HLM 17.47). FS Date: 7/16/2013 10:39:31 AM	es. Need pes have re in goo opening I ated met cow the crete "U" he matches	LS slope photos of been d boy all own.	DWR ID: DWR_MA00 39.385172 ° 3 121.832060 ° -12	9.385172 ° 333
					DWR ID: DWR_MA00	13_01_f _ 2013_333
331 17.47 17.47 Supplemental DWR UCIP Field Study	LS M En	Inspector Comments: FS_ID:4075 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspeciton on due to dense vegatation and steep slope FIELD_STRUCT_DESC: 24-inch corrug drainpipe through the levee, 8.1 feet beld Flap gate on the waterward side. Concre on both ends (USACE-1960). This entry Drainage or Irrigation Structure reference manual (HLM 17.47). FS Date: 4/18/2012 1:27:00 PM	es. ated met ow the cr ete "U" he matches	LS slope al own. eadwalls	121.832057 ° -12	
					DWR ID: DWR_MA00	13_01_1 _ 2013_334

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

1		Bank	Unit Miles	Inspection Start/End	Inspec	tor	
Unit No. 0	1 Cheroke	e Canal	Right	18.87	10/31/2013 10/31/2013	Bob Duffe	
Levee Mile Start End Category Item	Rating ** + Location *	Action/Comment			GPS Latitude/I	ongitude End	Issue No. Photo
332 17.47 17.47 Supplemental DWR UCIP Field Study	LS M En	Inspector Comments: FS_ID:4871 39.385172 39.385172 39.385172					
333 17.47 17.47 Supplemental DWR UCIP Field Study	LS M En	Inspector Comments: FS_ID:5718 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection on due to dense vegatation and steep slope cleared WS & LS slopes. FIELD_STRUCT_DESC: 24-inch corrug drainpipe through the levee, 8.1 feet bel Flap gate on the waterward side. Concre on both ends (USACE-1960). This entry Drainage or Irrigation Structure referenc manual (HLM 17.47). FS Date: 4/18/2012 1:27:00 PM	LS slope photos of al own. eadwalls the	39.385172° 3.121.832060° -12	9.385172° 1.832060°	336	
334 17.47 17.47 Supplemental DWR UCIP Field Study	LS M En	Inspector Comments: FS_ID:5451 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspeciton on due to dense vegatation and steep slope cleared WS & LS slopes. FIELD_STRUCT_DESC: 24-inch corrug drainpipe through the levee, 8.1 feet bel- Flap gate on the waterward side. Concre on both ends (USACE-1960). This entry Drainage or Irrigation Structure referenc manual (HLM 17.47).	es. Need ated meta ow the cre ete "U" he matches	LS slope photos of al own. eadwalls the	39.385172 ° 3 .121.832060 ° -12	9.385172 °	

* Location LS : Land Side WS : Water Side CR : Crown ** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Mainter

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

FS Date: 4/18/2012 1:27:00 PM

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

W	Bank	Unit Miles	Inspection Start/End	Inspector		
Unit No. 01	Cheroke	e Canal	Right	18.87	10/31/2013 10/31/2013	Bob Duffey
Levee Mile Start End Category Item	Rating ** + Location *	Action/Comment			GPS Latitude/I	Longitude Issue No. End Photo
335 17.47 17.47 Supplemental DWR UCIP Field Study	LS M En	Inspector Comments: FS_ID:5682 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspeciton on WS and LS slope due to dense vegatation and steep slopes. Need photos of cleared WS & LS slopes. FIELD_STRUCT_DESC: 24-inch corrugated metal drainpipe through the levee, 8.1 feet below the crown. Flap gate on the waterward side. Concrete "U" headwalls on both ends (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 17.47). FS Date: 4/18/2012 1:27:00 PM			39.385172 ° 3 .121.832060 ° -12	
336 17.71 17.75 Earthen Encroachments Levee	LS M En	DT : Ditch		-	39.382943 ° 3 -121.835447 ° -12 DWR ID: DWR_MA00	
337 17.72 18.20 Earthen Encroachments	LS M	DT : Ditch			39.382852° 3	9.378481° 15

Levee

-121.835654 ° -121.842394 °

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cherokee Canal	Right	18.87	10/31/2013 10/31/2013	Bob Duffey

Levee Mile Report Line	8						
Start Levee Mile	0.60						
End Levee Mile	0.60						
Location	Water Side						
Category	Earthen Levee						
Item	Slope Stability						
View of the vehicle erosion along the waterside slope.							

rduffey_f_20130919_808.JPG

9
0.66
1.20
Land Side
Earthen Levee
Encroachments

View of the agricultural ditch along the toe of the levee.

rduffey_s_20120430_604.jpg

Levee Mile Report Line	10
Start Levee Mile	0.76
End Levee Mile	0.78
Location	Land Side
Category	Earthen Levee
Item	Encroachments

View of the equipment along the landside toe of the levee.

rduffey_s_20120312_328.jpg







* Location

LS: Land Side

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CR: Crown

** Rating

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Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cherokee Canal	Right	18.87	10/31/2013 10/31/2013	Bob Duffey

Levee Mile Report Line	11		
Start Levee Mile	0.97		
End Levee Mile	0.97		
Location	Land Side		
Category	Earthen Levee		
Item	em Encroachments		
View of the prunings along the landside toe.			

jhirabay_f_20131212_001.jpg

Levee Mile Report Line	30
Start Levee Mile	1.62
End Levee Mile	1.62
Location	Land Side
Category	Supplemental
Item	DWR UCIP Field Study

Corrugated metal riser with slide gate located on WS slope.

UCIP_2589.jpg

Levee Mile Report Line	45
Start Levee Mile	1.69
End Levee Mile	1.69
Location	Land Side
Category	Supplemental
Item	DWR UCIP Field Study

Apr 2012 - LS view of crossing. Approximately 50 % of the inlet is blocked with sediment.

UCIP_66.jpg







* Location

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CR: Crown

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Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cherokee Canal	Right	18.87	10/31/2013 10/31/2013	Bob Duffey

Levee Mile Report Line	58			
Start Levee Mile	2.35			
End Levee Mile	2.35			
Location	Land Side			
Category	Supplemental			
Item	DWR UCIP Field Study			
Apr 2012 - Stand pipe present on WS near main channel.				

Levee Mile Report Line	85
Start Levee Mile	3.10
End Levee Mile	3.10
Location	Land Side
Category	Supplemental
Item	DWR UCIP Field Study

LS view of crossing. LS floor is higher than pipe invert.

UCIP_9693.jpg

UCIP_68.jpg

Levee Mile Report Line	86
Start Levee Mile	3.29
End Levee Mile	3.29
Location	Land Side
Category	Supplemental
Item	DWR UCIP Field Study
	10.04

Apr 2012 - Gate valve on LS. Stem of valve is bent.

UCIP_58.jpg







* Location LS : Land Side WS : Water Side CR : Crown ** Rating

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+ Issue Type

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cherokee Canal	Right	18.87	10/31/2013 10/31/2013	Bob Duffey

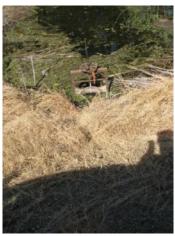
Levee Mile Report Line	99		
Start Levee Mile	3.78		
End Levee Mile	3.78		
Location	Land Side		
Category	Supplemental		
Item	DWR UCIP Field Study		
Limit view of LS slope due to vegetation.			
UCIP_947.jpg			

Levee Mile Report Line	101
Start Levee Mile	3.78
End Levee Mile	3.78
Location	Land Side
Category	Supplemental
Item	DWR UCIP Field Study

Limit view of LS slope due to vegetation.



121		
4.13		
4.20		
Land Side		
Earthen Levee		
Encroachments		
View of the redwood trees along the landside slope.		







* Location

LS: Land Side

WS: Water Side

CR: Crown

** Rating

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+ Issue Type

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cherokee Canal	Right	18.87	10/31/2013 10/31/2013	Bob Duffey

Levee Mile Report Line	126
Start Levee Mile	4.42
End Levee Mile	4.42
Location	Land Side
Category	Supplemental
Item	DWR UCIP Field Study
View of WS slope and to	e.

UCIP_8677.jpg

Levee Mile Report Line	128
Start Levee Mile	4.93
End Levee Mile	4.93
Location	Land Side
Category	Supplemental
Item	DWR UCIP Field Study

View of channel.

UCIP_1652.jpg

Levee Mile Report Line	134
Start Levee Mile	5.42
End Levee Mile	5.42
Location	Land Side
Category	Supplemental
Item	DWR UCIP Field Study
View of outlet cleared of	vegetation.

UCIP_2183.jpg







* Location LS : Land Side WS : Water Side CR : Crown

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+ Issue Type

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cherokee Canal	Right	18.87	10/31/2013 10/31/2013	Bob Duffey

Levee Mile Report Line	139
Start Levee Mile	5.47
End Levee Mile	5.47
Location	Land Side
Category	Supplemental
Item	DWR UCIP Field Study
View of channel at cross	ing.

Levee Mile Report Line	144
Start Levee Mile	5.53
End Levee Mile	5.53
Location	Land Side
Category	Supplemental
Item	DWR UCIP Field Study

View of low crossing from levee crown.

UCIP_	211	.jpg

UCIP_1247.jpg

Levee Mile Report Line	153
Start Levee Mile	5.72
End Levee Mile	5.72
Location	Land Side
Category	Supplemental
Item	DWR UCIP Field Study
View of WS slope and to	e

UCIP_2615.jpg







* Location

LS: Land Side

WS: Water Side

CR: Crown

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Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cherokee Canal	Right	18.87	10/31/2013 10/31/2013	Bob Duffey

Levee Mile Report Line	162	
<u> </u>		
Start Levee Mile	5.96	
End Levee Mile	5.96	
Location	Land Side	
Category	Supplemental	
Item	DWR UCIP Field Study	
View of WS slope and toe.		

Levee Mile Report Line	167
Start Levee Mile	6.33
End Levee Mile	6.33
Location	Land Side
Category	Supplemental
Item	DWR UCIP Field Study

View of WS slope and toe.

UCIP	_967.jpg

Jon _307.jpg			
Levee Mile Report Line	175		
Start Levee Mile	6.51		
End Levee Mile	7.09		
Location	Land Side		
Category	Earthen Levee		
Item	Encroachments		
View of the agricultural ditch along the toe.			
rduffey_s_20120312_321.jpg			







* Location

LS : Land Side

WS : Water Side

CR : Crown

** Rating

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U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cherokee Canal	Right	18.87	10/31/2013 10/31/2013	Bob Duffey

Levee Mile Report Line	184	
Start Levee Mile	6.55	
End Levee Mile	6.55	
Location	Land Side	
Category	Supplemental	
Item	DWR UCIP Field Study	
View of LS slide gate. Levee section missing behind boards.		

UCIP_1826.jpg

Levee Mile Report Line	185
Start Levee Mile	6.56
End Levee Mile	6.56
Location	Land Side
Category	Supplemental
Item	DWR UCIP Field Study

View of crossing through ramp.

UCIP_1689.jpg	UCIP	_1689.jpg
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Levee Mile Report Line	192		
Start Levee Mile	6.56		
End Levee Mile	6.56		
Location	Land Side		
Category	Supplemental		
Item	DWR UCIP Field Study		
Evidence of 72 inch lines are buried on WS slope.			

UCIP_402.jpg







* Location LS : Land Side WS : Water Side CR : Crown

** Rating

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+ Issue Type
Ma · Mainter

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cherokee Canal	Right	18.87	10/31/2013 10/31/2013	Bob Duffey

Levee Mile Report Line	194
Start Levee Mile	6.63
End Levee Mile	6.63
Location	Land Side
Category	Earthen Levee
Item	Encroachments
View of a concrete block	along the toe.
rduffey_s_20120312_320.jpg	
Loves Mile Penert Line	107

Levee Mile Report Line	197
Start Levee Mile	7.09
End Levee Mile	7.09
Location	Land Side
Category	Supplemental
Item	DWR UCIP Field Study
View of LC slave and too	

View of LS slope and toe.

UCIP	1691	.jpg

Levee Mile Report Line	207
Start Levee Mile	7.33
End Levee Mile	7.33
Location	Land Side
Category	Supplemental
Item	DWR UCIP Field Study
View of LS slope and toe	

UCIP_8764.jpg







* Location	
* Location LS : Land Side WS : Water Side	
WS : Water Side	

** Rating

A : Acceptable
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N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cherokee Canal	Right	18.87	10/31/2013 10/31/2013	Bob Duffey

Levee Mile Report Line	220
Start Levee Mile	7.57
End Levee Mile	7.57
Location	Land Side
Category	Supplemental
Item	DWR UCIP Field Study
LS view of slope ant toe.	
UCIP_2194.jpg	

Levee Mile Report Line	223
Start Levee Mile	8.12
End Levee Mile	8.12
Location	Land Side
Category	Supplemental
Item	DWR UCIP Field Study

View of LS slope and toe (farmland).

UCIP	2126.jpg

OCIF_2120.jpg		
Levee Mile Report Line	231	
Start Levee Mile	8.40	
End Levee Mile	8.40	
Location	Land Side	
Category	Supplemental	
Item	DWR UCIP Field Study	
View of LS slope and toe (flooded farm)		
UCIP_8776.jpg		







* Location

LS: Land Side

WS: Water Side

CR: Crown

** Rating

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+ Issue Type

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cherokee Canal	Right	18.87	10/31/2013 10/31/2013	Bob Duffey

Levee Mile Report Line	238	
Start Levee Mile	8.95	
End Levee Mile	8.95	
Location	Land Side	
Category	Supplemental	
Item	DWR UCIP Field Study	
Catwalk and screw gate located on WS.		

	UCIP_	_77.jpg
ı		

Levee Mile Report Line	248
Start Levee Mile	8.98
End Levee Mile	8.98
Location	Land Side
Category	Supplemental
Item	DWR UCIP Field Study

View of WS slope with 2 slide gates.

UCIP	2198.jpg

Levee Mile Report Line	255		
Start Levee Mile	9.09		
End Levee Mile	9.09		
Location	Land Side		
Category	Supplemental		
Item DWR UCIP Field Stud			
View of LS toe at crossing.			

view of LS toe at crossing.

UCIP_431.jpg







+ Issue Type

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cherokee Canal	Right	18.87	10/31/2013 10/31/2013	Bob Duffey

Levee Mile Report Line 261		
Start Levee Mile	9.84	
End Levee Mile	9.87	
Location	Land Side	
Category Earthen Levee		
Item Trim / Thin Trees		
View of trees that need to be trimed along the toe.		

rduffey_s_20120312_323.jpg

262
9.89
9.89
Land Side
Earthen Levee
Encroachments

View of a trailer & material along the L/S toe.

rduffey_s_20120312_325.jpg

Levee Mile Report Line	263	
Start Levee Mile	11.20	
End Levee Mile	13.47	
Location	Water Side	
Category	Earthen Levee	
Item	Encroachments	
View of the agricultural ditch along the toe of the levee.		

rduffey_s_20120430_607.jpg







* Location

LS: Land Side

WS: Water Side

CR: Crown

** Rating

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N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cherokee Canal	Right	18.87	10/31/2013 10/31/2013	Bob Duffey

Levee Mile Report Line	267		
Start Levee Mile	12.36		
End Levee Mile	12.36		
Location	Water Side		
Category	Supplemental		
Item	DWR UCIP Field Study		
Overview of levee crown at crossing looking downstream.			
UCIP_8797.jpg			

Levee Mile Report Line	277
Start Levee Mile	12.92
End Levee Mile	12.92
Location	Water Side
Category	Supplemental
Item	DWR UCIP Field Study

LS view of toe and adjacent farmland.

UCIP_	1090.jpg

Levee Mile Report Line	285		
Start Levee Mile	13.96		
End Levee Mile	13.96		
Location	Water Side		
Category	Supplemental		
Item	DWR UCIP Field Study		
View of channel at cross	ing.		







* Location

LS: Land Side

WS: Water Side

CR: Crown

UCIP_1867.jpg

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type Ma : Mainter

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cherokee Canal	Right	18.87	10/31/2013 10/31/2013	Bob Duffey

Levee Mile Report Line	291			
Start Levee Mile	13.97			
End Levee Mile	13.97			
Location	Land Side			
Category	Supplemental			
Item	DWR UCIP Field Study			
Buried slide gate on the WS slope.				
UCIP_2348.jpg				

Levee Mile Report Line	302
Start Levee Mile	14.79
End Levee Mile	14.79
Location	Land Side
Category	Supplemental
Item	DWR UCIP Field Study

LS slope cleared of vegetation

UCIP	8823.jpg

UCIP_6623.jpg		
Levee Mile Report Line	304	
Start Levee Mile	15.06	
End Levee Mile	15.06	
Location	Land Side	
Category	Earthen Levee	
Item	Vegetation	
View of the burned and dragged slopes.		
rduffey_f_20131118_150.JPG		







* Location
LS: Land Side
WS: Water Side
CR: Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cherokee Canal	Right	18.87	10/31/2013 10/31/2013	Bob Duffey

Levee Mile Report Line	309	
Start Levee Mile	15.12	
End Levee Mile	15.12	
Location	Land Side	
Category	Supplemental	
Item	DWR UCIP Field Study	
Slide gate located on LS toe. Dense vegetation present on LS slope.		

312
15.95
15.95
Land Side
Supplemental
DWR UCIP Field Study

View of standpipe located on LS toe.

UCIP	1764.jpg

UCIP_8825.jpg

Levee Mile Report Line	315	
Start Levee Mile	15.95	
End Levee Mile	15.95	
Location	Land Side	
Category	Supplemental	
Item	DWR UCIP Field Study	
Headwall and standnine on LS. Limited visibility		

Headwall and standpipe on LS. Limited visibility of headwall due to dense vegetation.

UCIP_84.jpg







* Location

LS: Land Side

WS: Water Side

CR: Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cherokee Canal	Right	18.87	10/31/2013 10/31/2013	Bob Duffey

Levee Mile Report Line	325		
Start Levee Mile	15.99		
End Levee Mile	15.99		
Location	Land Side		
Category	Supplemental		
Item	DWR UCIP Field Study		
WS view of appurtances (catwalk, slide gate, and headwall)			
UCIP_1283.jpg			

Levee Mile Report Line	326	
Start Levee Mile	16.45	
End Levee Mile	17.42	
Location	Land Side	
Category	Earthen Levee	
Item	Encroachments	
View of the ag along the toe of the levee.		

view of the ag along the toe of the levee.

rduffey_s_20120430_605.jpg

)		
Levee Mile Report Line	329	
Start Levee Mile	17.47	
End Levee Mile	17.47	
Location	Land Side	
Category	Supplemental	
Item	DWR UCIP Field Study	
LS slope cleared of vegetation		







* Location

LS: Land Side

WS: Water Side

CR: Crown

UCIP_8834.jpg

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

Unit Cover Sheet

Fall 2013 Levee Inspection Results

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles
Unit No. 02 Cherokee Canal	Left	23.10

	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			A	
Date of Inspection	05/10/2013 - 05/10/2013		10/31/2013 - 10/31/2013	
DWR Inspector	Bob Duffey		Bob Duffey	
Accompanied By	Jason Cooper Sutter Maintenance Yard		Jason Cooper Sutter Maintenance Yard	

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

http://cdec.water.ca.gov/lma.html

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

	Wa	terway		Bank	Unit Miles	Inspection	Inspector
l l	Unit No. 02 C	Cheroke	ee Canal	Left	23.10	Start/End 10/31/2013 10/31/2013	Bob
							Duffey
Levee Mile Start End Category	Item	Rating ** + Location *	Action/Comment			GPS Latitude/L	Longitude Issue No. End Photo
1 0.04 0.04 Supplemental D Fi	OWR UCIP Field Study	WS M En	Inspector Comments: FS_ID:3521 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Recommendations: W stockpile on WS levee slope. Remove so headwall.LS - Overgrown branches limit trim branches. 4-6 inch pipe is not part or remove pipe. FIELD_STRUCT_DESC: 24-inch corrug, through the levee, 6.0 feet below the cro the waterward end. Concrete "U" headwa (USACE-1962) This entry matches the D Irrigation Structure referenced in O&M m FS Date: 4/19/2012	oil stockp inspection of original ated meta wn. Flap alls on bo Orainange	ove pipe ile near on, crossing al pipe gate on oth ends.	39.573816 ° 3.121.701293 ° -12	
2 0.04 0.04 Supplemental D	OWR UCIP Field Study	WS M En	Inspector Comments: FS_ID:3706 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Recommendations: W stockpile on WS levee slope. Remove scheadwall.LS - Overgrown branches limit trim branches. 4-6 inch pipe is not part or remove pipe. FIELD_STRUCT_DESC: 24-inch corrug through the levee, 6.0 feet below the crothe waterward end. Concrete "U" headw (USACE-1962) This entry matches the D Irrigation Structure referenced in O&M m FS Date: 4/19/2012	oil pile ne inspection of original ated metallown. Flap alls on boordinange	ove pipe ar on, crossing al pipe gate on oth ends.	39.573816 ° 3.121.701293 ° -12	9.573816° 10 1.701293° Y
3 0.05 0.15 Earthen Elevee	Encroachments	WS M	EQ : Equipment			39.573523 ° 3 -121.701387 ° -12 DWR ID: DWR_MA001	
4 0.05 0.05 Supplemental D	OWR UCIP Field Study	WS M En	Inspector Comments: FS_ID:5143 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: WS-pipe stockpile on Overgrown branches limit inspection. 4-6 part of original crossing remove pipe. Th listed in the USACE Periodic Inspection Corp's Inspect ID# USACE_CESPK_M1 for WS flap gate not functioning properly passes inside crossing. FIELD_STRUCT_DESC: 24-inch corrug, through the levee, 6.0 feet below the cro the waterward end. Concrete "U" headw. (USACE-1962) This entry matches the II Irrigation Structure referenced in O&M m FS Date: 4/19/2012	3 inch pip is crossir report list 3G_2011 as irrigat ated meta wn. Flap alls on bo Orainange	e. LS-e is not ng was ted as _p_0009 tion pipe al pipe gate on oth ends.	39.573816° 3 .121.701290° -12	9.573816° 11 1.701290°
						DWR ID: DWR_MA001	3_02_f _ 2013_11
* Location ** Poti							

* Location

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cherokee Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffey
Levee Mile Start End Category Item ** Start End Category Action/Comment			GPS Latitude/L	ongitude Issue No. End Photo
5 0.05 Supplemental DWR UCIP Field Study WS M Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: WS-remove pipe stock slope. LS-Overgrown branches limit inspe branches. 4-6 inch pipe is not part of orig remove pipe. This crossing was listed in the Periodic Inspection report listed as Corp's USACE_CESPK_M13G_2011_p_0009 for not functioning properly as irrigation pipe crossing. FIELD_STRUCT_DESC: 24-inch corrugate through the levee, 6.0 feet below the crow the waterward end. Concrete "U" headward (USACE-1962) This entry matches the D Irrigation Structure referenced in O&M materials.	ection, transpection of the USA is Inspector WS flater passes attended metallis on both praining experience of the USA is passed attended to the USA is passed to the USA is pass	WS levee rim ssing CE t ID# ap gate inside al pipe gate on oth ends.	39.573816° 3: 121.701290° -12	
Field Study WS M Inspector Comments: FS_ID:5532 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: WS-pipe stockpile on N Overgrown branches limit inspection. 4-6 part of original crossing remove pipe. Thi listed in the USACE Periodic Inspection r Corp's Inspect ID# USACE_CESPK_M13 for WS flap gate not functioning properly passes inside crossing. FIELD_STRUCT_DESC: 24-inch corruga through the levee, 6.0 feet below the crow the waterward end. Concrete "U" headwa (USACE-1962) This entry matches the D Irrigation Structure referenced in O&M m: FS Date: 4/19/2012	inch pipis crossing croport lise as a control cross as irrigated metwork. Flap alls on borainange	e. LS- be is not ng was ted as 1_p_0009 tion pipe al pipe gate on oth ends.	39.573816° 31 121.701290° -12	

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

	Waterway							Bank	Unit Miles	Inspection Start/End	Inspec	ctor
	Unit No. 02 Cherokee Canal						Left	23.10	10/31/2013 10/31/2013			
LMR	Levee	Mile	Category	Item	Location *	Rating	Action/Comment			GPS Latitud	e/Longitude	Issue No.
No.	Start	End	Category	цеш	tion	ng +	Action/Comment			Start	End	Photo
7	0.05	0.05	Supplemental	DWR UCIP Field Study	WS	M En	Inspector Comments: FS_ID:4100 EP_NO: N/A		-	39.573816 ° 121.701293 °	39.573816 ° -121.701293 °	

En EP_NO: N/A Field Study

Repair Type: Non-Urgent Crossing Status: Found

UCIP Comments: WS - remove pipe stockpile on WS levee slope. Remove soil pile near headwall. LS -Overgrown branches limit inspection, trim branches. 4-6 inch pipe is not part of original crossing remove pipe. This crossing was listed in the USACE Periodic Inspection report listed as Corp's Inspect ID# USACE_CESPK_M13G_2011_p_0009. FIELD_STRUCT_DESC: 24-inch corrugated metal pipe

through the levee, 6.0 feet below the crown. Flap gate on the waterward end. Concrete "U" headwalls on both ends. (USACE-1962) This entry matches the Drainange or Irrigation Structure referenced in O&M manual (HLM 0.04).

FS Date: 4/19/2012

DWR ID: DWR MA0013 02 f 2013 16 39.573816 ° 39.573816 ° 17

-121.701290 ° -121.701290 °

8 0.05 0.05 Supplemental DWR UCIP Field Study WS M Inspector Comments: FS_ID:5531

EP_NO: N/A En

Repair Type: Non-Urgent Crossing Status: Found

UCIP Comments: WS-pipe stockpile on WS slope. LS-Overgrown branches limit inspection. 4-6 inch pipe is not part of original crossing remove pipe. This crossing was listed in the USACE Periodic Inspection report listed as Corp's Inspect ID# USACE_CESPK_M13G_2011_p_0009 for WS flap gate not functioning properly as irrigation pipe passes inside crossing.

FIELD_STRUCT_DESC: 24-inch corrugated metal pipe through the levee, 6.0 feet below the crown. Flap gate on the waterward end. Concrete "U" headwalls on both ends. (USACE-1962) This entry matches the Drainange or Irrigation Structure referenced in O&M manual (HLM 0.04).

FS Date: 4/19/2012

DWR ID: DWR_MA0013_02_f _ 2013_17

Location LS: Land Side WS: Water Side CR : Crown

Rating

Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated Corrected : Acceptable but Monitor & Maintain + Issue Type

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspec	ctor
Unit No. 02 Cherokee Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffe	
Levee Mile Start End Category Item ** are signed as a confidence of the confidence o			GPS Latitude		Issue No.
9 0.05 0.05 Supplemental DWR UCIP Field Study WS M Inspector Comments: FS_ID:4765 Fin EP NO: N/A			39.573816 ° 121.701290 ° -	39.573816 °	22

Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: WS - remove pipe stockpile on WS levee slope. Remove soil pile near headwall. LS -Overgrown branches limit inspection, trim branches. 4-6 inch pipe is not part of original crossing remove pipe. This crossing was listed in the USACE Periodic Inspection report listed as Corp's Inspect ID# USACE_CESPK_M13G_2011_p_0009 for WS flap gate

not functioning properly as irrigation pipe passes inside FIELD STRUCT DESC: 24-inch corrugated metal pipe through the levee, 6.0 feet below the crown. Flap gate on the waterward end. Concrete "U" headwalls on both ends. (USACE-1962) This entry matches the Drainange or Irrigation Structure referenced in O&M manual (HLM 0.04).

FS Date: 4/19/2012

DWR ID: DWR MA0013 02 f 2013 22 39.573816 ° 39.573816 °

-121.701290 ° -121.701290 °

0.05 0.05 Supplemental DWR UCIP Field Study WS M Inspector Comments: FS_ID:15503

EP_NO: N/A

Repair Type: Non-Urgent Crossing Status: Found

UCIP Comments: 4-6 inch pipe is not part of original crossing--remove pipe. WS-pipe stockpile on WS slope. LS-Overgrown branches limit inspection. This crossing was listed in the USACE Periodic Inspection report listed as Corp's Inspect ID#

USACE_CESPK_M13G_2011_p_0009 for WS flap gate not functioning properly as irrigation pipe passes inside crossing.7/10/2013 Same as last inspection.

FIELD_STRUCT_DESC: 24-inch corrugated metal pipe through the levee, 6.0 feet below the crown. Flap gate on the waterward end. Concrete "U" headwalls on both ends. (USACE-1962) This entry matches the Drainange or Irrigation Structure referenced in O&M manual (HLM 0.04).

FS Date: 7/10/2013 1:44:34 PM

DWR ID: DWR_MA0013_02_f _ 2013_23

Location LS: Land Side WS: Water Side CR : Crown

Rating

: Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated Corrected A/W: Acceptable but Monitor & Maintain + Issue Type

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

			Wa	aterway		Bank	Unit Miles	Inspection Start/End	Inspec	tor
			Unit No. 02 (Cheroke	ee Canal	Left	23.10	0 10/31/2013 Bob 10/31/2013 Duffey		
₩ Le	evee Mile	Catagony	Item	Rating ** + Location *	Action/Comment			GPS Latitude/	ongitude	Issue No.
Sta	art End	Category	item	tion	Action/Comment			Start	End	Photo
11 0,	.05 0.05	Supplemental	DWR UCIP Field Study	WS M En	Inspector Comments: FS_ID:5589 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 4-6 inch pipe is not pa crossing-remove pipe. WS-pipe stockpi LS-Overgrown branches limit inspection was listed in the USACE Periodic Inspect as Corp's Inspect ID# USACE_CESPK_M13G_2011_p_0009 in not functioning properly as irrigation pipe crossing. FIELD_STRUCT_DESC: 24-inch corrug through the levee, 6.0 feet below the cro the waterward end. Concrete "U" headw (USACE-1962) This entry matches the I Irrigation Structure referenced in O&M m FS Date: 4/19/2012	le on WS. This croction reportion re	inal is slope. issing int listed ap gate inside al pipe gate on oth ends.	39.573816 ° 3.121.701290 ° -12	9.573816 ° 1.701290 °	24
12 0.	.05 0.05	Supplemental	DWR UCIP Field Study	WS M En	Inspector Comments: FS_ID:5521 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: WS-pipe stockpile on Overgrown branches limit inspection. 4-t part of original crossing remove pipe. Th listed in the USACE Periodic Inspection Corp's Inspect ID# USACE_CESPK_M1 for WS flap gate not functioning properly passes inside crossing. FIELD_STRUCT_DESC: 24-inch corrug through the levee, 6.0 feet below the cro the waterward end. Concrete "U" headw (USACE-1962) This entry matches the I Irrigation Structure referenced in O&M m	6 inch pip ils crossir report lis 3G_2011 as irriga ated meta wn. Flap alls on bo Orainange	e. LS- be is not ng was ted as 1_p_0009 tion pipe al pipe gate on oth ends.	DWR ID: DWR_MA00 39.573816 ° 3 121.701290 ° -12	9.573816°	

FS Date: 4/19/2012

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

		Waterway	y		Bank	Unit Miles	Inspection Start/End	Inspec	tor
	Unit No.	02 Chero	kee	e Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffe	
Levee Mile		Loca	_z R				GPS Latitude	e/Longitude	Issue No.
Start End	ategory Item	Location	Rating	Action/Comment			Start	End	Photo
13 0.57 0.57 Sup	oplemental DWR UCIP Field Study		En [] () () () () () () () () () (Inspector Comments: FS_ID:3502 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to fix the top of s The wooden cap on standpipe is broken. evaluation of crossing due to dense vege waterside and landside. Recommend tak of slopes during fall inspection. FIELD_STRUCT_DESC: 24-inch corrugat through the levee, 10.6 feet below the cr in corrugated metal pipe riser on the wat Concrete "U" headwall on the landward s concrete standpipe in the channel with to to deflect debris. (USACE-1962) This en Drainage or Irrigation Structure reference manual (HLM 0.57). FS Date: 4/19/2012 9:55:00 AM	Limited etation on king new lated meta own. Slice erward slide. 36-ir wo woode try match	e cover. photos al pipe de gate ope. och en piles es the	39.566479 ° 121.702426 ° -	39.566479 ° 121.702426 °	26
				1 0 Bate: 4/10/2012 0.00.00 / tivi			DWR ID: DWR_MA	.0013_02_f _ 2013_	_26
14 0.57 0.57 Sup	oplemental DWR UCIP Field Study		En [Inspector Comments: FS_ID:2922 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to fix the top of s The wooden cap on standpipe is broken. FIELD_STRUCT_DESC: 24-inch corrugat through the levee, 10.6 feet below the cr in corrugated metal pipe riser on the wat Concrete "U" headwall on the landward s concrete standpipe in the channel with tw to deflect debris. (USACE-1962) This en Drainage or Irrigation Structure reference manual (HLM 0.57). FS Date: 4/19/2012 9:55:47 AM	ated meta own. Slic erward sl side. 36-in vo woode try match	e cover. al pipe de gate ope. nch en piles es the	39.566500° 121.702420° -		
15 0.57 0.57 Sup	oplemental DWR UCIP Field Study		En E	Inspector Comments: FS_ID:3463 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to fix the top of s The wooden cap on standpipe is broken. FIELD_STRUCT_DESC: 24-inch corrugathrough the levee, 10.6 feet below the cr in corrugated metal pipe riser on the wat Concrete "U" headwall on the landward s concrete standpipe in the channel with tw to deflect debris. (USACE-1962) This en Drainage or Irrigation Structure reference manual (HLM 0.57). FS Date: 4/19/2012 9:55:00 AM	ated meta own. Slic erward sl side. 36-in vo woode try match	e cover. al pipe de gate ope. nch en piles ies the	39.566479° 121.702426° -	39.566479 ° 121.702426 °	28
							שאאם :טו אאים MA	.0013_02_f _ 2013_	_20

Location LS: Land Side WS : Water Side CR : Crown Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

	Wa	aterway		Bank	Unit Miles	Inspection Start/End	Inspector
	Unit No. 02 (Cheroke	e Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffey
Levee Mile Category	Item	Rating ** + Location *	Action/Comment			GPS Latitude/L	No.
Start End Category		ion + 10	, 600.0 60060			Start	End Phot
16 0.57 0.57 Supplement	al DWR UCIP Field Study	WS M En	Inspector Comments: FS_ID:3308 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to fix the top of: The wooden cap on standpipe is broken FIELD_STRUCT_DESC: 24-inch corrug through the levee, 10.6 feet below the cr in corrugated metal pipe riser on the wat Concrete "U" headwall on the landward: concrete standpipe in the channel with to deflect debris. (USACE-1962) This en Drainage or Irrigation Structure reference manual (HLM 0.57). FS Date: 4/19/2012 9:55:00 AM	ated meta rown. Slic erward sl side. 36-ii wo woode try match	e cover. al pipe de gate ope. nch en piles nes the	39.566500 ° 39.121.702420 ° -12	9.566500 ° 29 1.702420 °
						DWR ID: DWR_MA001	3_02_f _ 2013_29
17 0.57 0.57 Supplement	al DWR UCIP Field Study	WS M En	Inspector Comments: FS_ID:3522 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to fix the top of: The wooden cap on standpipe is broken evaluation of crossing due to dense veg waterside and landside. Recommend tal of slopes during fall inspection. FIELD_STRUCT_DESC: 24-inch corrug through the levee, 10.6 feet below the cr in corrugated metal pipe riser on the wat Concrete "U" headwall on the landward: concrete standpipe in the channel with to to deflect debris. (USACE-1962) This en Drainage or Irrigation Structure reference manual (HLM 0.57). FS Date: 4/19/2012 9:55:00 AM	Limited etation or king new ated metatown. Slickerward slickerward slickerwown woode atry match	e cover. photos al pipe de gate ope. nch en piles es the	121.702426 ° -12	
						DWR ID: DWR_MA001	
18 0.58 0.58 Supplement	al DWR UCIP Field Study	WS M En	Inspector Comments: FS_ID:5144 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to fix the top of: The wooden cap on standpipe is broken evaluation of crossing due to dense veg slope. Need photos of cleared slopes du inspection. FIELD_STRUCT_DESC: 24-inch corrug through the levee, 10.6 feet below the cr in corrugated metal pipe riser on the wat Concrete "U" headwall on the landward: concrete standpipe in the channel with to to deflect debris. (USACE-1962) This en	. Limited etation or iring fall ated metatown. Slicerward slicerward slicerwown woode	a cover. I LS I pipe de gate ope. nch en piles	39.566479° 3! 121.702430° -12	9.566479 ° 31 1.702430 °

DWR ID: DWR_MA0013_02_f _ 2013_31

Drainage or Irrigation Structure referenced in O&M

Location LS: Land Side WS : Water Side CR : Crown * Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable N : Not Inspected/Rated

C : Corrected A/W : Acceptable but Monitor & Maintain

FS Date: 4/19/2012 9:55:00 AM

manual (HLM 0.57).

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

		\/\/a	terway		Bank	Unit Miles	Inspection	Inspec	etor
		vva	lerway		Dalik	Offic Willes	Start/End		
		Unit No. 02 C	Cheroke	ee Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffe	
Levee Mile	Category	Item	Rating ** + Location *	Action/Comment			GPS Latitude	/Longitude	NO.
Start End	Catogory	110111	ion +	/todot#Gottimont			Start	End	Photo
19 0.58 0.58	Supplemental	DWR UCIP Field Study	WS M En	Inspector Comments: FS_ID:15505 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to fix the top of state to the top o	Limited etation or ring fall s have be ndition. side of Wly closing ated met own. Sli erward s side. 36-iwo woodd try matel	e cover. In LS een LS pipe VS J. al pipe de gate lope. nch en piles nes the	39.566479 ° -121.702430 ° -1	39.566479 ° 21.702430 °	
20 0.58 0.58	Supplemental	DWR UCIP Field Study	WS M En	Inspector Comments: FS_ID:5522 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to fix the top of s The wooden cap on standpipe is broken evaluation of crossing due to dense vege slope. Need photos of cleared slopes du inspection. FIELD_STRUCT_DESC: 24-inch corrug through the levee, 10.6 feet below the cr in corrugated metal pipe riser on the wat Concrete "U" headwall on the landward s concrete standpipe in the channel with to to deflect debris. (USACE-1962) This en Drainage or Irrigation Structure reference manual (HLM 0.57). FS Date: 4/19/2012 9:55:00 AM	Limited etation or ring fall atted met rown. Sli erward side. 36-i wo woode try match	al pipe de gate lope. nch en piles nes the	DWR ID: DWR_MAI 39.566479 ° -121.702430 ° -1	39.566479 ° 21.702430 °	33

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

	Waterway		Bank	Unit Miles	Inspection Start/End	Inspector
Unit No	02 Cheroke	ee Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffey
Levee Mile Start End Category Item	Rating ** + Location *	Action/Comment			GPS Latitude/	Longitude Issue No. End Photo
21 0.58 0.58 Supplemental DWR UCII Field Stud		Inspector Comments: FS_ID:5590 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to fix the top of: The wooden cap on standpipe is broken evaluation of crossing due to dense vegi slope. Need photos of cleared slopes du inspection. FIELD_STRUCT_DESC: 24-inch corrug through the levee, 10.6 feet below the cri in corrugated metal pipe riser on the wat Concrete "U" headwall on the landward is concrete standpipe in the channel with to deflect debris. (USACE-1962) This en Drainage or Irrigation Structure reference manual (HLM 0.57). FS Date: 4/19/2012 9:55:00 AM	Limited etation or arring fall ated met cown. Sli terward s side. 36-i wo wood atry match	al pipe de gate lope. nch en piles nes the	39.566479 ° 3 121.702430 ° -12	
22 0.58 0.58 Supplemental DWR UCII Field Stud		Inspector Comments: FS_ID:4101 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to fix the top of some context of the top of standpipe is broken evaluation of crossing due to dense veg slope. Recommend taking new photos of all inspection. FIELD_STRUCT_DESC: 24-inch corrugation that levee, 10.6 feet below the crip corrugated metal pipe riser on the wat Concrete "U" headwall on the landward concrete standpipe in the channel with the to deflect debris. (USACE-1962) This en Drainage or Irrigation Structure reference manual (HLM 0.57). FS Date: 4/19/2012 9:55:00 AM	Limited etation or of slopes ated met rown. Sli terward s side. 36-i wo wood atry match	te cover. n LS during al pipe de gate lope. nch en piles nes the	39.566479° 3 121.702426° -12	

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

		W	aterway		Bank	Unit Miles	Inspection Start/End	Inspector	
		Unit No. 02	Cheroke	e Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffey	
Levee	End Category	Item	Rating ** + Location *	Action/Comment	Action/Comment				
23 0.58	0.58 Supplementa	DWR UCIP Field Study	WS M En	Inspector Comments: FS_ID:4120 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to fix the top of s The wooden cap on standpipe is broken evaluation of crossing due to dense vege slope. Recommend taking new photos o fall inspection. FIELD_STRUCT_DESC: 24-inch corruga through the levee, 10.6 feet below the cr in corrugated metal pipe riser on the wat Concrete "U" headwall on the landward s concrete standpipe in the channel with to to deflect debris. (USACE-1962) This en Drainage or Irrigation Structure reference manual (HLM 0.57). FS Date: 4/19/2012 9:55:00 AM	te cover. n LS during al pipe de gate lope. nch en piles nes the	39.566479° 121.702426° -1			
24 0.58	0.58 Supplementa	al DWR UCIP Field Study	WS M En	Inspector Comments: FS_ID:4766 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to fix the top of s The wooden cap on standpipe is broken evaluation of crossing due to dense veg slope. Recommend taking new photos o during fall inspection. FIELD_STRUCT_DESC: 24-inch corruga through the levee, 10.6 feet below the cr in corrugated metal pipe riser on the wat Concrete "U" headwall on the landward s concrete standpipe in the channel with to to deflect debris. (USACE-1962) This en Drainage or Irrigation Structure reference manual (HLM 0.57). FS Date: 4/19/2012 9:55:00 AM	Limited etation or f cleared met cown. Sli erward side. 36-i wo woode try match	e cover. n LS slopes al pipe de gate lope. nch en piles nes the		39.566479 ° 37 21.702430 °	

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cherokee Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffey
ਙ Levee Mile			GPS Latitude/L	ongitude Issue

| Leve Mile | Category | Item | Start | End | Category | Item | Start | End | Action/Comment | Action/Comment | Action/Comment | Start | End | Start | S

25 0.58 0.58 Supplemental DWR UCIP Field Study

WS M Inspector Comments: FS_ID:15504 En EP_NO: N/A

-121.702430 ° -121.702430 °

Repair Type: Non-Urgent Crossing Status: Found

UCIP Comments: Need to fix the top of slide gate cover. The wooden cap on standpipe is broken. Limited evaluation of crossing due to dense vegetation on LS slope. Need photos of cleared slopes during fall inspection.7/10/2013 LS and WS slopes have been cleared of vegetation and are in good condition. LS pipe end is half full of sediment. Sediment inside of WS standpipe may hinder slide gate from fully closing. Standpipe cover is still broken.

FIELD_STRUCT_DESC: 24-inch corrugated metal pipe through the levee, 10.6 feet below the crown. Slide gate in corrugated metal pipe riser on the waterward slope. Concrete "U" headwall on the landward side. 36-inch concrete standpipe in the channel with two wooden piles to deflect debris. (USACE-1962) This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 0.57).

FS Date: 7/10/2013 1:47:03 PM

DWR ID: DWR_MA0013_02_f _ 2013_38 39.551178 ° 39.551178 °

-121.705660 ° -121.705660 °

26 1.71 1.71 Supplemental DWR UCIP Field Study WS M Inspector Comments: FS_ID:5147

En EP_NO: N/A

Repair Type: Non-Urgent Crossing Status: Found

UCIP Comments: Limited inspection--dense vegetation on WS. Need photos of clear WS slope & toe. Need to determine if ditch is still present in channel. This crossing was listed in the USACE Periodic Inspection report as Corp's Inspect ID# USACE_CESPK_M13G_2011_p_0108 for WS flap gate filled with soil and LS gate not functioning becasue of overgrown vegetation. FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 7.9 feet below the crown. Flap gate on the waterward end. Concrete "U" headwalls on both ends. Slide gate at the landward toe in headwall (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 1.70). In 1962, permit number 3953 was issue for existing pump structure, intake box, ditch and power pole to be installed in channel. In 1963, the pump and intake box were removed.

FS Date: 4/19/2012 10:09:00 AM

DWR ID: DWR MA0013 02 f 2013 39

* Location

LS: Land Side

WS: Water Side

CR: Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated
C : Corrected
AW : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Mainter

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cherokee Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffey
	•	•	•	

LMR	Levee	Mile	Category	Item	Rati	Action/Comment	GPS Latitud	de/Longitude	Issue No.
No.	Start	End	Calegory	пеш	ating * + :ation	Sta	Start	End	Photo
27	1.71	1.71	Supplementa	DWR UCIP Field Study	WS M En	Inspector Comments: FS_ID:5146 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found	39.551178 ° 121.705660 °	39.551178 ° -121.705660 °	

UCIP Comments: Limited inspection on WS slope and toedense vegetation. Need photos of clear WS slope & toe. Need to determine if ditch is still present in channel. This crossing was listed in the USACE Periodic Inspection report as Corp's Inspect ID# USACE_CESPK_M13G_2011_p_0108 for WS flap gate

filled with soil and LS gate not functioning becasue of overgrown vegetation.

FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 7.9 feet below the crown. Flap gate on the waterward end. Concrete "U" headwalls on both ends. Slide gate at the landward toe in headwall (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 1.70). In 1962, permit number 3953 was issue for existing pump structure, intake box, ditch and power pole to be installed in channel. In 1963, the pump and intake box were removed

FS Date: 4/19/2012 10:09:00 AM

DWR ID: DWR_MA0013_02_f _ 2013_40 39.551178° 39.551178° 41

-121.705660 ° -121.705660 °

1.71 1.71 Supplemental DWR UCIP Field Study WS M Inspector Comments: FS_ID:5145 En

EP NO: N/A

Repair Type: Non-Urgent Crossing Status: Found

UCIP Comments: Limited inspection on WS slope and toe due to dense vegetation. Take photos of clear WS slope & toe during next inspection. Need to determine if ditch is still present in channel. This crossing was listed in the USACE Periodic Inspection report as Corp's Inspect ID# USACE_CESPK_M13G_2011_p_0108 for WS flap gate filled with soil and LS gate not functioning becasue of

overgrown vegetation.

FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 7.9 feet below the crown. Flap gate on the waterward end. Concrete "U" headwalls on both ends. Slide gate at the landward toe in headwall (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 1.70). In 1962, permit number 3953 was issue for existing pump structure, intake box, ditch and power pole to be installed in channel. In 1963, the pump and intake box were removed

FS Date: 4/19/2012 10:09:00 AM

DWR ID: DWR MA0013 02 f 2013 41

Location LS: Land Side WS: Water Side CR: Crown

Rating

Minimally Acceptable

U: Unacceptable

N : Not Inspected/Rated Corrected : Acceptable but Monitor & Maintain + Issue Type

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cherokee Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffey

LMR	Levee	Mile	Category	Item	Rati	Action/Comment	Action/Comment GPS Latitude/Longitude			
No.	Start	End	Calegory	item	ing + tion	Action/Comment	Start	End	Photo	
29	1.71 1.71 cappionioniai DWI OCII WO W			Inspector Comments: FS_ID:5148 EP_NO: N/A	39.551178 °	39.551178 ° -121.705660 °				

Field Study

En EP_NO: N/A

Repair Type: Non-Urgent Crossing Status: Found

UCIP Comments: Limited inspection--dense vegetation on WS. Need photos of clear WS slope & toe. Determine if ditch is still present in channel. This crossing was listed in the USACE Periodic Inspection report as Corp's Inspect ID# USACE_CESPK_M13G_2011_p_0108 for WS flap gate filled with soil and LS gate not functioning becasue of overgrown vegetation.

FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 7.9 feet below the crown. Flap gate on the waterward end. Concrete "U" headwalls on both ends. Slide gate at the landward toe in headwall (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 1.70). In 1962, permit number 3953 was issue for existing pump structure, intake box, ditch and power pole to be installed in channel. In 1963, the pump and intake box were removed.

FS Date: 4/19/2012 10:09:00 AM

DWR ID: DWR_MA0013_02_f _ 2013_42 39.551178° 39.551178° 43

-121.705660 ° -121.705660 °

30 1.71 1.71 Supplemental DWR UCIP Field Study

WS M Inspector Comments: FS ID:5149 EP_NO: N/A En

Repair Type: Non-Urgent

Crossing Status: Found UCIP Comments: Limited inspection dense vegetation on WS. Need photos of clear WS slope & toe. Ditch present in channel? This crossing was listed in the USACE Periodic Inspection report as Corp's Inspect ID# USACE_CESPK_M13G_2011_p_0108 for WS flap gate filled with soil and LS gate not functioning becasue of

overgrown vegetation. FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 7.9 feet below the crown. Flap gate on the waterward end. Concrete "U" headwalls on both ends. Slide gate at the landward toe in headwall (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 1.70). In 1962, permit number 3953 was issue for existing pump structure, intake box, ditch and power pole to be installed in channel. In 1963, the pump and intake box

were removed. FS Date: 4/19/2012 10:09:00 AM

DWR ID: DWR MA0013 02 f 2013 43

Location LS: Land Side WS: Water Side CR: Crown

Rating

Minimally Acceptable U: Unacceptable

N : Not Inspected/Rated Corrected : Acceptable but Monitor & Maintain A/W

+ Issue Type

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cherokee Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffey
Z Lovos Milo			CBS Latitudo/L	ongitudo Issue

Category Item Action/Comment No. End Photo Start Start End Supplemental DWR UCIP WS M Inspector Comments: FS ID:5524 39.551178° 39.551178° 1.71 -121.705660 ° -121.705660 ° EP NO: N/A Field Study Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection dense vegetation on

WS. Need photos of clear WS slope & toe. Ditch present in channel? This crossing was listed in the USACE Periodic Inspection report as Corp's Inspect ID# USACE_CESPK_M13G_2011_p_0108 for WS flap gate filled with soil and LS gate not functioning becasue of overgrown vegetation.

FIELD_STRUCT_DESC: 24-inch CM drainage pipe through the levee, 7.9 feet below the crown. Flap gate on the waterward end. Concrete "U" headwalls on both ends. Slide gate at the landward toe in headwall (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 1.70). In 1962, permit number 3953 was issue for existing pump structure, intake box, ditch and power pole. In 1963, the pump and intake box were removed.

FS Date: 4/19/2012 10:09:00 AM

DWR ID: DWR MA0013 02 f 2013 44

39.551178° 39.551178° 45 -121.705660 ° -121.705660 °

1.71 1.71 Supplemental DWR UCIP Field Study

WS M Inspector Comments: FS ID:15525 EP_NO: N/A

Repair Type: Non-Urgent

Crossing Status: Found

UCIP Comments: Limited inspection dense vegetation on WS. Need photos of clear WS slope & toe. Ditch present in channel? This crossing was listed in the USACE Periodic Inspection report as Corp's Inspect ID# USACE_CESPK_M13G_2011_p_0108 for WS flap gate filled with soil and LS gate not functioning becasue of overgrown vegetation.7/10/2013 WS slope is cleared of vegetation and is in good condition. LS screw gate frame is twisted and is preventing the gate from opening. FIELD_STRUCT_DESC: 24-inch CM drainage pipe through the levee, 7.9 feet below the crown. Flap gate on the waterward end. Concrete "U" headwalls on both ends. Slide gate at the landward toe in headwall (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 1.70). In 1962, permit number 3953 was issue for existing pump structure, intake box, ditch and power pole. In 1963, the pump and intake box were removed.

FS Date: 7/10/2013 2:09:45 PM

DWR ID: DWR MA0013 02 f 2013 45

Location LS: Land Side WS: Water Side CR: Crown

Rating

Minimally Acceptable U: Unacceptable

N: Not Inspected/Rated Corrected A/W

+ Issue Type

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

	Waterway						Inspection Start/End	Inspec	ctor
	Unit No. 02 Cherokee Canal							Bob Duffe	-
Levee Mil	Category	Item	Rating ** + Location *	Action/Comment			GPS Latitud	e/Longitude End	Issue No. Photo

33 1.71 1.71 Supplemental DWR UCIP Field Study WS M Inspector Comments: FS_ID:15524

EP_NO: N/A

Repair Type: Non-Urgent Crossing Status: Found

UCIP Comments: Limited inspection dense vegetation on WS. Need photos of clear WS slope & toe. Ditch present in channel? This crossing was listed in the USACE Periodic Inspection report as Corp's Inspect ID# USACE_CESPK_M13G_2011_p_0108 for WS flap gate filled with soil and LS gate not functioning becasue of overgrown vegetation.7/10/2013 WS slope is cleared of vegetation and is in good condition. LS screw gate frame is twisted and is preventing the gate from opening. FIELD STRUCT DESC: 24-inch CM drainage pipe through the levee, 7.9 feet below the crown. Flap gate on the waterward end. Concrete "U" headwalls on both ends. Slide gate at the landward toe in headwall (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 1.70). In 1962, permit number 3953 was issue for existing pump structure, intake box, ditch and power pole. In 1963, the pump and intake hox were removed

> DWR ID: DWR_MA0013_02_f _ 2013_46 39.551178 ° 39.551178 ° 47

-121.705660 ° -121.705660 °

39.551178°

-121.705660 ° -121.705660 °

39.551178°

34 1.71 1.71 Supplemental DWR UCIP Field Study

WS M Inspector Comments: FS_ID:5688

FS Date: 7/10/2013 2:05:46 PM

EP_NO: N/A

Repair Type: Non-Urgent Crossing Status: Found

UCIP Comments: Limited inspection dense vegetation on WS. Need photos of clear WS slope & toe. Ditch present in channel? This crossing was listed in the USACE Periodic Inspection report as Corp's Inspect ID# USACE_CESPK_M13G_2011_p_0108 for WS flap gate filled with soil and LS gate not functioning becasue of

overgrown vegetation.

FIELD_STRUCT_DESC: 24-inch CM drainage pipe through the levee, 7.9 feet below the crown. Flap gate on the waterward end. Concrete "U" headwalls on both ends. Slide gate at the landward toe in headwall (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 1.70). In 1962, permit number 3953 was issue for existing pump structure, intake box, ditch and power pole. In 1963, the pump and

intake box were removed. FS Date: 4/19/2012 10:09:00 AM

DWR ID: DWR_MA0013_02_f _ 2013_47

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* Location

LS: Land Side

WS: Water Side

CR: Crown

* Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected W : Acceptable but Monitor & Maintain + Issue Type
Ma : Maintei

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

	Waterway						Inspection Start/End	Inspec	ctor
	ι	Unit No. 02 (Cheroke	e Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffe	
Levee Mile	Category	Item	Rating ** + Location *	Action/Comment			GPS Latitude	e/Longitude	Issue No.
Start End	outogo.y		ion +	7.00.07.0 00.07.00.0			Start	End	Photo
35 1.71 1.71 S	Supplemental D'	WR UCIP ield Study	WS M En	Inspector Comments: FS_ID:5150 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection der WS. Need photos of clear WS slope & to in channel? This crossing was listed in the Periodic Inspection report as Corp's Insp. USACE_CESPK_M13G_2011_p_0108 filled with soil and LS gate not functionin overgrown vegetation. FIELD_STRUCT_DESC: 24-inch CM drathrough the levee, 7.9 feet below the crothe waterward end. Concrete "U" headw. Slide gate at the landward toe in headw. This entry matches the Drainage or Irrigareferenced in O&M manual (HLM 1.70). number 3953 was issue for existing pumintake box, ditch and power pole. In 1963 intake box were removed. FS Date: 4/19/2012 10:09:00 AM	oe. Ditch ne USAC pect ID# for WS fla g becasu ainage pil wm. Flap alls on bo all (USAC ation Stru In 1962, up structu	tation on present E ap gate ee of pe gate on oth ends. E-1960). acture permit re,	39.551178° -121.705660° -		
	2						DWR ID: DWR_MA		
36 1.71 1.71 S		WR UCIP ield Study	WS M En	Inspector Comments: FS_ID:4140 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection on due to dense vegetation. Take photos of and toe during next inspeciton. Need to is still present in channel. This crossing USACE Periodic Inspection report as Co USACE_CESPK_M13D_2011_p_0189. FIELD_STRUCT_DESC: 24-inch corrug drainage pipe through the levee, 7.9 feet Flap gate on the waterward end. Concre on both ends. Slide gate at the landward (USACE-1960). This entry matches the I Irrigation Structure referenced in O&M m 1.70). In 1962 permit no 3953 was issue	f clear Widetermine was listed by listed by lated metal to below the "U" he I toe in he Drainage hanual (H	e and toe S slope e if ditch d in the ect ID# al lee crown. adwalls eadwall or LM	39.551178° -121.705659° -		

* Location LS : Land Side WS : Water Side CR : Crown ** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

were removed.

+ Issue Type
Ma : Mainter

1.70). In 1962, permit no 3953 was issue for existing pump structure, intake box, ditch and power pole to be installed in channel. In 1963, the pump and intake box

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement DWR ID: DWR_MA0013_02_f _ 2013_49

FS Date: 4/19/2012 10:09:00 AM

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

	Waterway		Bank	Unit Miles	Inspection Start/End	Inspector
Unit No.	02 Cherokee Ca	anal	Left	23.10	10/31/2013 10/31/2013	Bob Duffey
Levee Mile Start End Category Item	Rating ** Location	Action/Comment			GPS Latitude/	Longitude Issue No. End Photo
37 1.71 1.71 Supplemental DWR UCIP Field Study	En EP_ Rep Cros UCII due and is st USA fillec over FIEL drair Flap on b (USA Irriga 1.70 pum insta were	pector Comments: FS_ID:4768 NO: N/A air Type: Non-Urgent ssing Status: Found P Comments: Limited inspection on to dense vegetation. Take photos of toe during next inspeciton. Need to o ill present in channel. This crossing to ACE Periodic Inspection report as Co ACE_CESPK_M13G_2011_p_0108 f d with soil and LS gate not functioning grown vegetation. LD_STRUCT_DESC: 24-inch corruga nage pipe through the levee, 7.9 feet to gate on the waterward end. Concret toth ends. Slide gate at the landward ACE-1960). This entry matches the I ation Structure referenced in O&M m o). In 1962, permit number 3953 was up structure, intake box, ditch and po- alled in channel. In 1963, the pump a te removed. Date: 4/19/2012 10:09:00 AM	clear W3 determine was listed rp's Insp or WS flag g becasu ated meta below th te "U" he toe in he Crainage anual (H issue for wer pole	e and toe S slope e if ditch d in the ect ID# ap gate e of al lee crown. adwalls eadwall or LM e existing to be	39.551178 ° 3.121.705660 ° -12	
38 2.55 2.55 Supplemental DWR UCIP Field Study	En EP_ Rep Cros UCII FIEL pipe gate end. 1960 Stru	nector Comments: FS_ID:3542 NO: N/A air Type: Non-Urgent ssing Status: Found P Comments: Handle missing on scr LD_STRUCT_DESC: 1 of 2: 36-inch se through the levee, 9.7 feet below the on the waterward end. Slide gate or Concrete "U" headwalls on both end D). This entry matches the Drainage cture referenced in O&M manual (HI Date: 4/23/2012 10:10:00 AM	corrugate ne crown n the land ds (USAC or Irrigati	ed metal . Flap dward CE- on		99.539195° 51 21.706069° Y
39 2.55 2.55 Supplemental DWR UCIP Field Study	En EP _ Rep Cros UCII FIEL pipe gate end. 1960 Stru	pector Comments: FS_ID:3540 NO: N/A air Type: Non-Urgent ssing Status: Found P Comments: Handle missing on scr LD_STRUCT_DESC: 1 of 2: 36-inch is through the levee, 9.7 feet below the on the waterward end. Slide gate or Concrete "U" headwalls on both end D: This entry matches the Drainage cture referenced in O&M manual (HI Date: 4/23/2012 10:10:00 AM	corrugate ne crown n the land ds (USAC or Irrigati	ed metal . Flap dward CE- on		99.539195° 52 21.706069°

* Location LS: Land Side WS : Water Side CR : Crown Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

		Waterway							Unit Miles	Inspection Start/End	Inspe	ctor
				Unit No. 02	2 Chero	ke	e Canal	Left	23.10	O 10/31/2013 10/31/2013		ey
LMR No.	Levee	Mile End	Category	Item	Location	Rating	Action/Comment			GPS Latitude/Longitude Iss Start End Pho		
40	2.55	2.55	Supplemental	DWR UCIP Field Study	WS		Inspector Comments: FS_ID:15526 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Handle missing on sli gate.7/10/2013 Sediment is built up ag gate not allowing it to open. Handle for still missing. FIELD_STRUCT_DESC: 1 of 2: 36-inch pipes through the levee, 9.7 feet below gate on the waterward end. Slide gate of end. Concrete "U" headwalls on both er 1960). This entry matches the Drainage Structure referenced in O&M manual (H FS Date: 7/10/2013 2:12:39 PM	ainst WS LS slide of a corrugat the crown on the land ods (USA) or Irrigati	flap gate is ed metal . Flap dward CE- ion	39.539195 ° - 121.706070 ° -		
41	2.55	2.55	Supplemental	DWR UCIP Field Study	WS		Inspector Comments: FS_ID:4142 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Handle missing on so FIELD_STRUCT_DESC: 1 of 2: 36-inch pipes through the levee, 9.7 feet below gate on the waterward end. Slide gate of end. Concrete "U" headwalls on both er 1960). This entry matches the Drainage Structure referenced in O&M manual (H FS Date: 4/23/2012 10:10:00 AM	corrugat the crown on the land ids (USA) or Irrigati	ed metal . Flap dward CE- ion	39.539195 ° 121.706069 ° -	121.706069°	
42	2.55	2.55	Supplemental	DWR UCIP Field Study	WS	M En	Inspector Comments: FS_ID:5525 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Handle missing on sli FIELD_STRUCT_DESC: 1 of 2: 36-inch pipes through the levee, 9.7 feet below gate on the waterward end. Slide gate on end. Concrete "U" headwalls on both en 1960). This entry matches the Drainage Structure referenced in O&M manual (H FS Date: 4/19/2012 10:10:00 AM	corrugat the crown on the land ds (USA) or Irrigati	ed metal . Flap dward CE- ion	39.539195 ° 121.706070 ° -	39.539195° 121.706070°	55

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterwa	y	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cher	okee Canal	e Canal Left 23.10			Bob Duffey
Levee Mile Start End Category Item	Action/Comment			GPS Latitude/I	Longitude Issue No. End Photo
43 2.55 2.55 Supplemental DWR UCIP WS Field Study	M Inspector Comments: FS_ID:5151 En EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Handle missing on sl FIELD_STRUCT_DESC: 1 of 2: 36-incl pipes through the levee, 9.7 feet below gate on the waterward end. Slide gate of end. Concrete "U" headwalls on both er 1960). This entry matches the Drainage Structure referenced in O&M manual (FS Date: 4/19/2012 10:10:00 AM	n corrugat the crowr on the land nds (USA) or Irrigat	ed metal ı. Flap dward CE- ion	121.706070°-12	
44 2.55 2.55 Supplemental DWR UCIP Field Study	M Inspector Comments: FS_ID:5592 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Handle missing on sl FIELD_STRUCT_DESC: 1 of 2: 36-incl pipes through the levee, 9.7 feet below gate on the waterward end. Slide gate of end. Concrete "U" headwalls on both er 1960). This entry matches the Drainage Structure referenced in O&M manual (FS Date: 4/19/2012 10:10:00 AM	n corrugat the crown on the land nds (USA) or Irrigat	ed metal n. Flap dward CE- ion	DWR ID: DWR_MA00 39.539195 ° 3 121.706070 ° -12	9.539195° 57 1.706070°
45 2.55 2.55 Supplemental DWR UCIP WS Field Study	M Inspector Comments: FS_ID:15527 En EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Handle missing on sl gate.7/10/2013 Sediment is built up ag gate not allowing it to open. Handle for still missing. FIELD_STRUCT_DESC: 1 of 2: 36-incl pipes through the levee, 9.7 feet below gate on the waterward end. Slide gate of end. Concrete "U" headwalls on both er 1960). This entry matches the Drainage Structure referenced in O&M manual (FS Date: 7/10/2013 2:14:50 PM	ainst WS LS slide of the crowr on the land ods (USA) or Irrigat	flap gate is ed metal n. Flap dward CE- ion	39.539195° 3 121.706070° -12	9.539195 ° 58 1.706070 °
				DWR ID: DWR_MA00	13_02_f _ 2013_58

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Flood Control Project Maintenance Levee Inspections

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank Unit Miles Inspection Start/End Inspector
Unit No. 02 Cherokee Canal	Left 23.10 10/31/2013 Bob Duffey
Levee Mile Category Item Category Ration Category Ration Category Cate	Action/Comment GPS Latitude/Longitude Issue No. Start End Photo
46 2.55 2.55 Supplemental DWR UCIP Field Study Field Study En EP_NO: N/A Repair Type: N Crossing Statu UCIP Commer FIELD_STRUC pipes through gate on the wa end. Concrete 1960). This en Structure refer	
Field Study En EP_NO: N/A Repair Type: N Crossing Statu UCIP Commer Butte County t FIELD_STRUC through the lev the waterward Concrete "U" r Structure used This entry mat referenced in C	ments: FS_ID:3545 39.537824 ° 39.537824 ° 60 -121.706190 ° -121.706190 ° con-Urgent as: Found ts: Sediment built up on LS (County ditch, 12?) T_DESC: 36-inch corrugated metal pipe tee, 8.8 feet below the crown. Flap gate on the landward end. teadwalls on both ends (USACE-1960). to drain water from Nelson Shippe Road. these the Drainage or Irrigation Structure &M manual (HLM 2.63). 1012 10:16:00 AM
Field Study En EP_NO: N/A Repair Type: N Crossing Statu UCIP Commer Butte County t FIELD_STRUC through the lev the waterward Concrete "U" h Structure used This entry mat referenced in C	s: Found ts: Sediment built up on LS (County ditch,

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

		Wa	iterway		Bank	Unit Miles	Inspection Start/End	Inspector
		Unit No. 02 (Cheroke	e Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffey
Levee Mile Start End	Category	Item	Rating ** + Location *	Action/Comment			GPS Latitude/L	ongitude Issue No. End Photo
49 2.64 2.64	Supplemental	DWR UCIP Field Study	WS M En	Inspector Comments: FS_ID:5152 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Minor sediment built u sediment. Need photo of LS slide gate v build up. This crossing was listed in the Inspection report as Corp's inspect ID# USACE_CESPK_M13G_2011_p_0148 t obstructed by vegetation and WS flap ga functionning (propped open). FIELD_STRUCT_DESC: 36-inch corrug through the levee, 8.8 feet below the cro the waterward end. Slide gate on the lar Concrete "U" headwalls on both ends (U Structure used to drain water from Nelso This entry matches the Drainage or Irrig referenced in O&M manual (HLM 2.63). FS Date: 4/19/2012 10:16:00 AM	vithout se USACE F for LS gar ate is not ated meta wm. Flap adward er ISACE-19 on Shippe	remove diment Periodic te all pipe gate on id. 960).	39.537864 ° 39.121.706190 ° -12	9.537864 ° 62 1.706190 °
50 2.64 2.64	Supplemental	DWR UCIP Field Study	WS M En	Inspector Comments: FS_ID:4770 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Minor sediment built u sediment. Need photo of LS slide gate w build up. This crossing was listed in the Inspection report as Corp's inspect ID# USACE_CESPK_M13G_2011_p_0148 o obstructed by vegetation and WS flap ga functionning as propped open. FIELD_STRUCT_DESC: 36-inch corrug through the levee, 8.8 feet below the cro the waterward end. Slide gate on the lar Concrete "U" headwalls on both ends (U Structure used to drain water from Nelso This entry matches the Drainage or Irrig referenced in O&M manual (HLM 2.63). FS Date: 4/19/2012 10:16:00 AM	vithout se USACE F for LS gar ate is not ated meta wwn. Flap adward er ISACE-19 on Shippe	remove diment Periodic te all pipe gate on id. 960).	DWR ID: DWR_MA001 39.537864 ° 39. 121.706190 ° -12	9.537864° 63

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

DWR ID: DWR_MA0013_02_f _ 2013_65

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Flood Control Project Maintenance Levee Inspections

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Wa	iterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 (Cherokee Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffey
Levee Mile Start End Category Item	to a tion/Comme	nt		GPS Latitude/I	Longitude Issue No. End Photo
51 2.64 2.64 Supplemental DWR UCIP Field Study	WS M Inspector Comments: FS_ID:4144 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Sediment built up LS slide gate without sediment build was listed in the USACE Periodic Ins Corp's inspect ID# USACE_CESPK FIELD_STRUCT_DESC: 36-inch co through the levee, 8.8 feet below the the waterward end. Slide gate on the Concrete "U" headwalls on both end Structure used to drain water from N This entry matches the Drainage or referenced in O&M manual (HLM 2.6 FS Date: 4/19/2012 10:16:00 AM	up. This cropection rep M13D_201 rugated me crown. Flap landward e (USACE-1 elson Shipp rrigation Str	d photo of ossing ort as 1_p_0204. tal pipe o gate on od. 960). e Road.	.121.706186° -12	
52 2.64 2.64 Supplemental DWR UCIP Field Study	WS M Inspector Comments: FS_ID:15529 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Minor sediment but sediment. Need photo of LS slide gate build up. This crossing was listed in Inspection report as Corp's inspect I USACE_CESPK_M13G_2011_p_010 obstructed by vegetation and WS flat functionning (propped open).7/10/20 inspection. FIELD_STRUCT_DESC: 36-inch conthrough the levee, 8.8 feet below the the waterward end. Slide gate on the Concrete "U" headwalls on both end Structure used to drain water from Nather the Drainage or referenced in O&M manual (HLM 2.6 FS Date: 7/10/2013 2:18:05 PM	e without some USACE of the USA	, remove ediment Periodic ate t s last tal pipe o gate on nd. 960). e Road.	39.537864 ° 3 -121.706190 ° -12	9.537864 ° 65

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

		Sutter Ma	IIII	ance faro maintenanc	C AI	ea uu i			
		Wa	terway		Bank	Unit Miles	Inspection Start/End	Inspec	ctor
		Unit No. 02 C	Cheroke	e Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffe	
Levee Mile Start End	Category	Item	Rating ** + Location *	Action/Comment			GPS Latitude.	Longitude End	Issue No. Photo
53 2.64 2.64	4 Supplemental	DWR UCIP Field Study	WS M En	Inspector Comments: FS_ID:5593 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Minor sediment built usediment. Need photo of LS slide gate would up. This crossing was listed in the Inspection report as Corp's inspect ID# USACE_CESPK_M13G_2011_p_0148 fobstructed by vegetation and WS flap gas functionning (propped open). FIELD_STRUCT_DESC: 36-inch corrught through the levee, 8.8 feet below the crothe waterward end. Slide gate on the lan Concrete "U" headwalls on both ends (U Structure used to drain water from Nelso This entry matches the Drainage or Irrigate referenced in O&M manual (HLM 2.63). FS Date: 4/19/2012 10:16:00 AM	vithout se USACE F for LS gat ate is not ated meta wn. Flap dward en SACE-19 on Shippe	remove diment Periodic de la pipe gate on ld. 960).	39.537864 ° : 121.706190 ° -1:	39.537864° 21.706190°	
54 2.64 2.6	4 Supplemental	DWR UCIP Field Study	WS M En	Inspector Comments: FS_ID:5527 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Minor sediment built usediment. Need photo of LS slide gate would up. This crossing was listed in the Inspection report as Corp's inspect ID# USACE_CESPK_M13G_2011_p_0148 for obstructed by vegetation and WS flap grading functionning (propped open). FIELD_STRUCT_DESC: 36-inch corrugthrough the levee, 8.8 feet below the crothe waterward end. Slide gate on the land Concrete "U" headwalls on both ends (UStructure used to drain water from Nelson This entry matches the Drainage or Irrigareferenced in O&M manual (HLM 2.63). FS Date: 4/19/2012 10:16:00 AM	vithout se USACE F for LS gat ate is not ated meta wn. Flap dward en SACE-19 on Shippe	remove diment Periodic de al pipe gate on id. 260).	DWR ID: DWR_MA0 39.537864 ° 121.706190 ° -1:	39.537864 ° 21.706190 °	67
55 2.64 2.64	4 Supplemental	DWR UCIP Field Study	WS M En	Inspector Comments: FS_ID:3548 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Burrowing holes locate headwall. FIELD_STRUCT_DESC: 36-inch corrug. through the levee, 8.7 feet below the cro the waterward end. Slide gate on landwa "U" headwalls on both ends (USACE-19) matches the Drainange or Irrigation Stru in O&M manual (HLM 2.65). FS Date: 4/19/2012 10:17:00 AM	ated meta wn. Flap ard end. 0 60). This	WS al pipe gate on Concrete entry		39.537671 ° 21.706207 °	68 Y

DWR ID: DWR_MA0013_02_f _ 2013_68 * Rating * Location + Issue Type

LS: Land Side WS : Water Side CR : Crown

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

Flood Control Project Maintenance Levee Inspections

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Unit No. 02 Cherokee Canal	Left	23.10	10/31/2013	Bob
		-	10/31/2013	Duffey
Levee Mile Catogony Itom Ration/Commont			GPS Latitude/	Longitude Issue No.
Levee Mile Start End Category Item ** Table 1. Category Comment ** Table 1. Category			Start	End Photo
56 2.66 Supplemental DWR UCIP Field Study	I LS slope ed WS & ave been pated met bwn. Flap ard end. (160). This	e WS es due to LS cleared tal pipe gate on Concrete entry	39.537671 ° 3	9.537671° 69 11.706210°
57 2.66 2.66 Supplemental DWR UCIP Field Study WS M Inspector Comments: FS_ID:5153 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection on slopes due to dense vegetation. Need p WS & LS slopes. Burrowing holes locate headwall. FIELD_STRUCT_DESC: 36-inch corrug through the levee, 8.7 feet below the cro the waterward end. Slide gate on landwa "U" headwalls on both ends (USACE-19 matches the Drainange or Irrigation Stru in O&M manual (HLM 2.65). FS Date: 4/19/2012 10:17:00 AM	hotos of ed above lated met own. Flap ard end. (160). This	LS cleared WS tal pipe gate on Concrete entry	DWR ID: DWR_MA00 39.537671 ° 3 -121.706210 ° -12	9.537671° 70 11.706210°
58 2.66 2.66 Supplemental DWR UCIP Field Study WS M En EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Burrowing holes locat headwall. Limited inspection on WS and dense vegetation. Need photos of cleare slopes.7/10/2013 LS and WS slopes ha of vegetation and are in good condition. FIELD_STRUCT_DESC: 36-inch corrug through the levee, 8.7 feet below the cro the waterward end. Slide gate on landwa "U" headwalls on both ends (USACE-19 matches the Drainange or Irrigation Stru in O&M manual (HLM 2.65). FS Date: 7/10/2013 2:21:44 PM	I LS slope ed WS & ave been pated met bwn. Flap ard end. (160). This	e WS es due to LS cleared tal pipe gate on Concrete entry		9.537671 ° 71 11.706210 °

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

			Motorway				Donk	Unit Miles	Inspection	Inone	otor
			Waterway				Bank	Offic Miles	Start/End	Inspec	
		Unit No.	02 Cheroke	e Canal			Left	23.10	10/31/2013 10/31/2013	Bob Duffe	
E Levee M	lile Category	Item	Rating ** + Location *		Actio	n/Comment			GPS Latitude	Longitude	Issue No.
Start E	nd Category	Item	ng +		Actio	II/Comment			Start	End	Photo
59 2.66 2	2.66 Supplement	al DWR UCIF Field Study		EP_NO: N/ Repair Typo Crossing S UCIP Comi slopes due WS & LS s headwall. FIELD_ST through the the waterwa "U" headwa matches th in O&M ma	comments: FS_I A e: Non-Urgent tatus: Found ments: Limited i to dense vegeta lopes. Burrowing RUCT_DESC: 3 elevee, 8.7 feet ard end. Slide ga alls on both ends e Drainange or inual (HLM 2.65 /19/2012 10:17:0	nspection on ation. Need p g holes locate 6-inch corrug below the croate on landway (USACE-19 Irrigation Stru).	hoto of cled above ated metown. Flapard end. (160). This	LS eared WS al pipe gate on Concrete entry	39.537671 ° ::121.706210 ° -1:		
60 2.66 2	2.66 Supplement	al DWR UCIF Field Study		EP_NO: N/ Repair Typo Crossing S' UCIP Comm headwall. L dense vege slopes. FIELD_STF through the the waterwa "U" headwa matches th in O&M ma	comments: FS_I A e: Non-Urgent tatus: Found ments: Burrowin imited inspectio etation. Need ph RUCT_DESC: 3 e levee, 8.7 feet alls on both ends e Drainange or inual (HLM 2.65 /19/2012 10:17:1	ig holes location on WS and otos of cleare 6-inch corrug below the croate on landways (USACE-19 Irrigation Stru).	I LS slope ed WS & ated met own. Flap ard end. (160). This	WS es due to LS al pipe gate on Concrete entry	39.537671 ° : .121.706210 ° -1:	39.537671 °	
									DWR ID: DWR_MA00	013_02_f _ 2013_	_73
61 2.66 2	2.66 Supplement	al DWR UCIF Field Study		EP_NO: N/ Repair Typo Crossing S UCIP Comi slopes due WS & LS s headwall. FIELD_ST through the the waterwa "U" headwa matches th in O&M ma	comments: FS_I A e: Non-Urgent tatus: Found ments: Limited i to dense vegeta lopes. Burrowing RUCT_DESC: 3 e levee, 8.7 feet ard end. Slide gralls on both ends e Drainange or inual (HLM 2.65 /19/2012 10:17:0	nspection on ation. Need p g holes locate 6-inch corrug below the croate on landway (USACE-19 Irrigation Stru).	hotos of ded above lated metown. Flap ard end. (160). This	LS cleared WS al pipe gate on Concrete entry	39.537671 ° : -121.706210 ° -1:	21.706210°	

* Location LS : Land Side WS : Water Side CR : Crown * Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Mainter

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

	Wate		Bank	Unit Miles	Inspection Start/End	Inspect	or		
L	Jnit No. 02 Cl	heroke	e Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffey	,	
Levee Mile Start End Category	Item	Rating ** + Location *	Action/Comment			GPS Latitude/L	origitude	No. Photo	
62 2.66 2.66 Supplemental Di	WR UCIP	WS M En	Inspector Comments: FS_ID:4146 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection on slopes due to dense vegetation. Burrowi above WS headwall. Need photo of burr FIELD_STRUCT_DESC: 36-inch corrug through the levee, 8.7 feet below the cro the waterward end. Slide gate on landwa "U" headwalls on both ends (USACE-19 matches the Drainange or Irrigation Stru in O&M manual (HLM 2.65). FS Date: 4/19/2012 10:17:00 AM	ant and an analysis of the state of the stat					
63 3.61 3.61 Supplemental D'Fi	WR UCIP Vield Study	WS M En	Inspector Comments: FS_ID:3553 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe not used due to the sediment in Cherokee. The elevation in greater than the elevation of the adjacent could/should be abandoned properly. Fawhen needed to drain field. Ran into farming and he uses pipe located at levee mile 3 FIELD_STRUCT_DESC: 36-inch corrugt through the levee, 11.5 feet below the control the waterward end. Slide gate on the land Concrete "U" headwalls on both ends (U This entry matches the Drainange or Irrigererenced in O&M manual (HLM 3.61) FS Date: 4/19/2012 10:24:00 AM	Cheroke at ditch. If the distribution of the d	of e is Pipe s out LS e field Irain field. al pipe p gate on nd.	39.523829 ° 38 -121.706293 ° -121	.706293°	Y	
64 3.61 3.61 Supplemental D'Fi	WR UCIP	WS M En	Inspector Comments: FS_ID:3552 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe not used due to to sediment in Cherokee. The elevation in greater than the elevation of the adjacent could/should be abandoned properly. FIELD_STRUCT_DESC: 36-inch corrugt through the levee, 11.5 feet below the crithe waterward end. Slide gate on the late Concrete "U" headwalls on both ends (UThis entry matches the Drainange or Irrigerenced in O&M manual (HLM 3.61) FS Date: 4/19/2012 10:24:00 AM	Cheroke at ditch. If ated met cown. Flandward er ISACE-19	of of se is Pipe al pipe p gate on od.	39.523829 ° 39121.706293 ° -121	.706293°	77	

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

				Wa	terway		Bank	Unit Miles	Inspection Start/End	Inspec	tor
				Unit No. 02 C	Cheroke	ee Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffe	
LMR No.	Levee	Mile End	Category	Item	Rating ** + Location *	Action/Comment			GPS Latitude/L	ongitude End	Issue No. Photo
65	3.61	3.61	Supplementa	DWR UCIP Field Study	WS M En	Inspector Comments: FS_ID:3550 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe not used due to sediment in Cherokee. The elevation ir greater than the elevation of the adjace could/should be abandoned. FIELD_STRUCT_DESC: 36-inch corrug through the levee, 11.5 feet below the of the waterward end. Slide gate on the lat Concrete "U" headwalls on both ends (U This entry matches the Drainange or Irr referenced in O&M manual (HLM 3.61) FS Date: 4/19/2012 10:24:00 AM	n Cheroke nt ditch. If gated met rown. Fla ndward er JSACE-19	of e is Pipe al pipe o gate on ad. 960).	39.523829° 3: 121.706293° -12	9.523829 ° 1.706293 °	78
66	3.62	3.62	Supplementa	DWR UCIP Field Study	WS M En	Inspector Comments: FS_ID:5683 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Non-functioning cross pipe located at LM 3.682 to drain field 8 Dense vegetation-need photos of cleare slopes. This crossing was listed in the L Inspection report as Corp's inspect ID# USACE_CESPK_M13G_2011_p_0172 WS gate due to high water & dense veg FIELD_STRUCT_DESC: 36-inch corrug through the levee, 11.5 feet below the of the waterward end. Slide gate on the lat Concrete "U" headwalls on both ends (I This entry matches the Drainange or Irr referenced in O&M manual (HLM 3.61)	a not this of the work of the	ner uses oneS eriodic cess to al pipe o gate on id. 960).	DWR ID: DWR_MA001 39.523829 ° 3: 121.706290 ° -12	9.523829°	
67	3.62	3.62	Supplementa	I DWR UCIP Field Study	WS M En	Inspector Comments: FS_ID:5193 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Crossing non-function Farmer uses pipe located at levee mile and not this one. Dense vegetation-nee cleared WS & LS slopes. This crossing USACE Periodic Inspection report as C USACE_CESPK_M13G_2011_p_0172 WS gate due to high water and dense v FIELD_STRUCT_DESC: 36-inch corrug through the levee, 11.5 feet below the later waterward and Slide gate on the later	3.682 to of d photos of was listed orp's insp for no accregetation gated meterown. Flag	line. Irain field of d in the ect ID# cess to al pipe o gate on	DWR ID: DWR_MA001 39.523829 ° 3: 121.706290 ° -12	9.523829 °	

DWR ID: DWR_MA0013_02_f _ 2013_80

Location LS: Land Side WS : Water Side CR : Crown Rating A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

the waterward end. Slide gate on the landward end. Concrete "U" headwalls on both ends (USACE-1960). This entry matches the Drainange or Irrigation Structure

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

referenced in O&M manual (HLM 3.61) FS Date: 4/19/2012 10:24:00 AM

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

		Wa	aterway		Bank	Unit Miles	Inspection Start/End	Inspec	tor
		Unit No. 02 (Cheroke	ee Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffe	
Levee M	lile Category	Item	Rating ** + Location *	Action/Comment			GPS Latitude/L	ongitude End	Issue No. Photo
68 3.62 3	3.62 Supplementa	al DWR UCIP Field Study	WS M En	Inspector Comments: FS_ID:15534 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Non-functioning cross pipe located at LM 3.682 to drain field & Dense vegetation-need photos of cleare slopes. This crossing was listed in the U Inspection report as Corp's inspect ID# USACE_CESPK_M13G_2011_p_0172: WS gate due to high water & dense vegetation.7/10/2103 LS and WS slope cleared of vegetation and are in good co gate is out of water but is blocked from a sediment build up. LS gate is fully subm able to be inspected. FIELD_STRUCT_DESC: 36-inch corrug through the levee, 11.5 feet below the co the waterward end. Slide gate on the lar Concrete "U" headwalls on both ends (U This entry matches the Drainange or Irri referenced in O&M manual (HLM 3.61) FS Date: 7/10/2013 2:39:58 PM	not this of d WS & I USACE Potential of the second	ner uses one. LS eriodic cess to een WS flap by nd not al pipe p gate on nd. 960).	39.523829 ° 39.121.706290 ° -12		
69 3.62 3	3.62 Supplementa	al DWR UCIP Field Study	WS M En	Inspector Comments: FS_ID:5196 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Non-functioning cross pipe located at LM 3.682 to drain field & Dense vegetation-need photos of cleare slopes. This crossing was listed in the U Inspection report as Corp's inspect ID# USACE_CESPK_M13G_2011_p_0172 WS gate due to high water & dense veg FIELD_STRUCT_DESC: 36-inch corrug through the levee, 11.5 feet below the co	not this of the desired WS & I SACE Performs acceptation.	ner uses one. LS eriodic cess to	39.523829° 39.121.706290° -12	9.523829° 1.706290°	82

the waterward end. Slide gate on the landward end. Concrete "U" headwalls on both ends (USACE-1960). This entry matches the Drainange or Irrigation Structure

referenced in O&M manual (HLM 3.61) FS Date: 4/19/2012 10:24:00 AM

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

		Wa	terw	ay		Bank	Unit Miles	Inspection Start/End	Inspect	tor
		Unit No. 02 (Chei	roke	e Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffey	y
Levee Mile Start End	Category	Item	Location	Rating ** +	Action/Comment			GPS Latitude/L	.origitude	Issue No. Photo
⁷⁰ 3.62 3.62	Supplementa	al DWR UCIP Field Study	ws	En En						
71 3.62 3.62	Supplementa	al DWR UCIP Field Study	WS	S M En	Inspector Comments: FS_ID:5191 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Crossing non-function into farmer in the field and he uses pipe mile 3.682 to drain field and not this one vegetation-need photos of cleared WS & crossing was listed in the USACE Period report as Corp's inspect ID# USACE_CESPK_M13G_2011_p_0172.1 WS gate due to high water and dense ve FIELD_STRUCT_DESC: 36-inch corrug through the levee, 11.5 feet below the or the waterward end. Slide gate on the lan Concrete "U" headwalls on both ends (U This entry matches the Drainange or Irrig referenced in O&M manual (HLM 3.61) FS Date: 4/19/2012 10:24:00 AM	located a . Dense a LS slop dic Inspector no acceptation ated met own. Fla dward er SACE-19	line. Ran at levee es. This ction cess to al pipe p gate on nd. 960).		9.523829 ° 1.706290 °	84

Thursday, December 12, 2013 15:04

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma · Mainter

Flood Control Project Maintenance Levee Inspections

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

	Wa	terway		Bank	Unit Miles	Inspection Start/End	Inspector
	Unit No. 02 C	Cheroke	ee Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffey
Levee Mile Start End Category	Item	Rating ** + Location	Action/Comment			GPS Latitude/L	ongitude Issue No. End Photo
72 3.62 3.62 Supplemental	DWR UCIP Field Study	WS M En	Inspector Comments: FS_ID:5189 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Crossing non-function in Cherokee is greater than the elevatior ditch. Ran into farmer in the field and he at levee mile 3.682 to drain field and not vegetation-need photos of cleared WS & crossing was listed in the USACE Period report as Corp's inspect ID# USACE_CESPK_M13G_2011_p_0172 th WS gate due to high water and dense ver FIELD_STRUCT_DESC: 36-inch corrug through the levee, 11.5 feet below the cr the waterward end. Slide gate on the lan Concrete "U" headwalls on both ends (U This entry matches the Drainange or Irrig referenced in O&M manual (HLM 3.61) FS Date: 4/19/2012 10:24:00 AM	of the a uses pip this one LS slop dic Inspec- for no acceptation ated met own. Fla dward er SACE-19	elevation djacent be located . Dense es. This ction cess to al pipe p gate on nd.	39.523829° 39.121.706290° -12	9.523829° 85 1.706290°
73 3.62 3.62 Supplemental	DWR UCIP Field Study	WS M En	Inspector Comments: FS_ID:4148 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe not used due to to sediment in Cherokee. The elevation in greater than the elevation of the adjacent could/should be abandoned properly. Fat when needed to drain field. Ran into farm and he uses pipe located at levee mile 3 This crossing was listed in the USACE Freport as Corp's inspect ID# USACE_CESPK_M13G_2011_p_0172 to gate only. FIELD_STRUCT_DESC: 36-inch corrugt through the levee, 11.5 feet below the crothe waterward end. Slide gate on the land Concrete "U" headwalls on both ends (UThis entry matches the Drainange or Irrigererenced in O&M manual (HLM 3.61) FS Date: 4/19/2012 10:24:00 AM	Cheroke t ditch. If rmer digner in the .682 to de Periodic Information of the control of the con	of of its	DWR ID: DWR_MA001 39.523829 ° 38 121.706293 ° -12	9.523829° 86 1.706293°

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Category Item Category Item Category Item Category Item Category Item Category Item Category		Waterway		Bank	Unit Miles	Inspection Start/End	Inspect	tor
74 3.62 3.62 Supplemental DWR UCIP Field Study WS M EP_NC: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: PSp end used due to the depth of sediment in Cherokee. The elevation in Cherokee is greater than the elevation of the adjacent lich. Pipe could/should be abandoned properly. Farmer digs out LS when needed to drain field. Ran into farmer in the field and not this one. This crossing was listed in the USACE Periodic Inspection report as Corp's inspect ID# USACE_CESPK_M13G_2011_p_0172 for no visible WS gate only. FIELD_STRUCT_DESC: 36-inch corrupated metal pipe through the levee, 11.5 feet below the crown. Flap gate on the waterward end. Slide gate on the landward end. Concrete "U" headwalls on both ends (USACE_1960). This entry matches the Drainange or Irrigation Structure referenced in OSM manual (HLM 3.61) FS Date: 4/19/2012 10:24:00 AM WS M Inspector Comments: FS_ID:5595 Sp 23829 * 39.523829 * 39.523829 * 88.21.706290 * 120.702 * 120.702	Unit No	o. 02 Cheroke	ee Canal	Left	23.10			y
Field Study En EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe not used due to the depth of sediment in Cherokee. The elevation in Cherokee is greater than the elevation of the adjacent ditch. Pipe could/should be abandoned properly. Farmer digs out LS when needed to drain field. Ran into farmer in the field and he uses pipe located at lever mile 3.682 to drain field and he uses pipe located at lever mile 3.682 to drain field and not this one. This crossing was listed in the USACE Periodic Inspection report as Corp's inspect ID# USACE_CESPK_M13G_2011_p_0172 for no visible WS gate only. FIELD_STRUCT_DESC: 36-inch corrugated metal pipe through the levee, 11.5 feet below the crown. Flap gate on the waterward end. Side gate on the landward end. Concrete "U" headwalls on both ends (USACE-1960). This entry matches the Drainange or Irrigation Structure referenced in O&M manual (HLM 3.61) F5 Date: 4/19/2012 10:24:00 AM DWR ID: DWR_MA0013_02_f_2013_87 T5 3.62 3.62 Supplemental DWR UCIP Field Study WS M Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Non-functioning crossing, Farmer uses pipe located at LM 3.682 to drain field & not this one. Dense vegetation-need photos of cleared WS & LS slopes. This crossing was listed in the USACE Periodic Inspection report as Corp's inspect ID# USACE_CESPK_M13G_2011_p_0172 for no access to WS gate due to high water & dense vegetation. FIELD_STRUCT_DESC: 36-inch corrugated metal pipe through the levee, 11.5 feet below the crown. Flap gate on the waterward end. Slide gate on the landward end. Concrete "U" headwalls on both ends (USACE-1960). This entry matches the Drainange or Irrigation Structure referenced in OSM manual (HLM 3.61) This entry matches the Drainange or Irrigation Structure referenced in OSM manual (HLM 3.61)	Levee Mile Category Iter	Rating ** + Location *	Action/Comment				Longitude	No. Photo
Field Study En EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Non-functioning crossing. Farmer uses pipe located at LM 3.682 to drain field & not this one. Dense vegetation-need photos of cleared WS & LS slopes. This crossing was listed in the USACE Periodic Inspection report as Corp's inspect ID# USACE_CESPK_M13G_2011_p_0172 for no access to WS gate due to high water & dense vegetation. FIELD_STRUCT_DESC: 36-inch corrugated metal pipe through the levee, 11.5 feet below the crown. Flap gate on the waterward end. Slide gate on the landward end. Concrete "U" headwalls on both ends (USACE-1960). This entry matches the Drainange or Irrigation Structure referenced in O&M manual (HLM 3.61)			EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe not used due to a sediment in Cherokee. The elevation in greater than the elevation of the adjacer could/should be abandoned properly. Fa when needed to drain field. Ran into farr and he uses pipe located at levee mile 3 and not this one. This crossing was liste Periodic Inspection report as Corp's insp USACE_CESPK_M13G_2011_p_0172 a gate only. FIELD_STRUCT_DESC: 36-inch corrug through the levee, 11.5 feet below the co the waterward end. Slide gate on the lar Concrete "U" headwalls on both ends (U This entry matches the Drainange or Irri referenced in O&M manual (HLM 3.61)	Cheroke the ditch. If the ditc	of e is Pipe s out LS e field drain field JSACE ible WS al pipe p gate on nd. 960).	.121.706293 ° -12	1.706293°	
FS Date: 4/19/2012 10:24:00 AM DWR ID: DWR_MA0013_02_f_2013_88	0.02 0.02 Tappionian DVVIV 00		EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Non-functioning cross pipe located at LM 3.682 to drain field & Dense vegetation-need photos of cleare slopes. This crossing was listed in the U Inspection report as Corp's inspect ID# USACE_CESPK_M13G_2011_p_0172 to WS gate due to high water & dense veg FIELD_STRUCT_DESC: 36-inch corrug through the levee, 11.5 feet below the cithe waterward end. Slide gate on the lan Concrete "U" headwalls on both ends (U This entry matches the Drainange or Irri	not this of d WS & I SACE Portion acceptation. atted met rown. Flandward er SACE-19	ner uses oneS eriodic cess to al pipe p gate on ad. 960).	.121.706290 ° -12	1.706290°	

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cherokee Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffey
Levee Mile Start End Category Item Locate Category Action/	Comment		GPS Latitude/L	Longitude Issue No. End Photo
76 3.62 3.62 Supplemental DWR UCIP Field Study WS M En EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Non-functi pipe located at LM 3.682 to o Dense vegetation-need phot slopes. This crossing was lis Inspection report as Corp's ir USACE_CESPK_M13G_20 WS gate due to high water & FIELD_STRUCT_DESC: 36 through the levee, 11.5 feet I the waterward end. Slide gat Concrete "U" headwalls on b This entry matches the Drain referenced in O&M manual (FS Date: 4/19/2012 10:24:00	oning crossing. Fardrain field & not this os of cleared WS & ted in the USACE Faspect ID# 11_p_0172 for no action decreases vegetation. Finch corrugated methodown the crown. File on the landward eact the landward each the landward eact the landward eact the landward eact the landward each the landward each the landward each the landward eact the landward each the landwa	mer uses one. LS Periodic ccess to etal pipe ap gate on end. 1960).	-121.706290° -12	
77 3.62 3.62 Supplemental DWR UCIP Field Study WS M Inspector Comments: FS_ID EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Non-functi pipe located at LM 3.682 to o Dense vegetation-need phot slopes. This crossing was lis Inspection report as Corp's ir USACE_CESPK_M13G_201 WS gate due to high water & FIELD_STRUCT_DESC: 36- through the levee, 11.5 feet if the waterward end. Slide gat Concrete "U" headwalls on b This entry matches the Drain referenced in O&M manual (FS Date: 4/19/2012 10:24:00	oning crossing. Far drain field & not this os of cleared WS & ted in the USACE F nspect ID# I1_p_0172 for no ac dense vegetation. inch corrugated me below the crown. Flace on the landward e oth ends (USACE- nange or Irrigation S HLM 3.61)	mer uses one. LS Periodic ccess to etal pipe ap gate on end. 1960).	DWR ID: DWR_MA00* 39.523829 ° 3 -121.706290 ° -12	9.523829° 90 1.706290°

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Wa	terway		Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 (Cherokee Cana	I	Left	23.10	10/31/2013 10/31/2013	Bob Duffey
Levee Mile Start End Category Item	Rating ** + Location	Action/Comment			GPS Latitude/L	ongitude Issue No. End Photo
78 3.62 3.62 Supplemental DWR UCIP Field Study	En EP_NO: Repair T Crossing UCIP Co sedimer greater t could/sh when ne and he u and not vegetatic crossing report as USACE WS gate FIELD_S through the wate Concrete This ent	or Comments: FS_ID:4772 N/A Type: Non-Urgent g Status: Found omments: Pipe not used due to t at in Cherokee. The elevation in than the elevation of the adjacen ould be abandoned properly. Fa seeded to drain field. Ran into farm uses pipe located at levee mile 3 this one. WS & LS slopes cover on. Need photos of cleared WS of was listed in the USACE Period s Corp's inspect ID# _CESPK_M13G_2011_p_0172 f e due to high water and dense ve STRUCT_DESC: 36-inch corruga the levee, 11.5 feet below the cre ward end. Slide gate on the lan e "U" headwalls on both ends (U ry matches the Drainange or Irrig ed in O&M manual (HLM 3.61) : 4/19/2012 10:24:00 AM	Cheroke t ditch. If rmer digarer in the .682 to ded by del & LS slop dic Inspector no acceptation atted met down. Fla dward er SACE-19	of e is Pipe s out LS e field Irain field nse poes. This ction cess to . al pipe p gate on nd. 960).	.121.706290 ° -12	
79 3.68 3.68 Supplemental DWR UCIP Field Study	En EP_NO: Repair T Crossing UCIP Co evaluate Recomn inspectic FIELD_S through waterwa "U" head matches O&M ma	Type: Non-Urgent g Status: Found pmments: Dense vegetation make the condition of the WS and LS nend taking photos of clear slope	slope. es during ated met Flap gate ard end. (60). This	fall al pipe e on the Concrete entry	.121.705341 ° -12	9.523556 ° 92 1.705341 ° Y
					DWR ID: DWR_MA001	3_02_f _ 2013_92

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank Unit Miles Inspection Start/End Inspector
Unit No. 02 Cherokee Canal	Left 23.10 10/31/2013 Bob Duffey
Levee Mile Category Item Category Start End Category Start End Category Start End Category Ca	Action/Comment GPS Latitude/Longitude Issue No. Start End Photo
80 3.68 3.68 Supplemental DWR UCIP Field Study Field Study WS M Inspector Con EP_NO: N/A Repair Type: I Crossing State UCIP Comme evaluate the cunderwater. R and gates dur been cleared gates are still FIELD_STRU through levee, waterward end "U" headwalls matches the DO&M manual	us: Found ents: Dense vegetation makes it difficult to condition of the LS slope. Both gates tecommend taking photos of clear slopes ing fall inspection.7/10/2013 LS slope has of vegetation and is in good condition. Both underwater and not able to be inspected. CT_DESC: 36-inch corrugated metal pipe , 9.2 feet below the crown. Flap gate on the d. Slide gate on the landward end. Concrete on both ends (USACE-1960). This entry Drainage or Irrigation Structure referenced in
Field Study En EP_NO: N/A Repair Type: I Crossing State UCIP Comme evaluate the c underwater. R and gates dur been cleared o gates are still FIELD_STRU through levee, waterward enc "U" headwalls matches the D O&M manual	nments: FS_ID:15537 39.523556 ° 39.523556 ° 94 -121.705340 ° -121.705340 ° Non-Urgent us: Found ints: Dense vegetation makes it difficult to condition of the LS slope. Both gates decommend taking photos of clear slopes ing fall inspection.7/10/2013 LS slope has of vegetation and is in good condition. Both underwater and not able to be inspected. CT_DESC: 36-inch corrugated metal pipe d. Slide gate on the landward end. Concrete on both ends (USACE-1960). This entry orainage or Irrigation Structure referenced in
Field Study En EP_NO: N/A Repair Type: I Crossing State UCIP Comme evaluate the c underwater. R and gates dur FIELD_STRU through levee, waterward enc "U" headwalls matches the D O&M manual	nments: FS_ID:5689 39.523556 ° 39.523556 ° 95 -121.705340 ° -121.705340

* Location
LS: Land Side
WS: Water Side
CR: Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Mainter

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

	Waterway		Bank	Unit Miles	Inspection	Inspecto	or
Linit N	o. 02 Cheroke	ee Canal	Left	23.10	Start/End 10/31/2013	Bob	
Official		, countries			10/31/2013	Duffey	
Levee Mile Category Itel	Rating ** + Location	Action/Comment			GPS Latitude	Longitude	No. Photo
Start End Category Res		Inspector Comments: FS_ID:4149			Start 39.523556 °	LIIG	96
Field Stu		Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Dense vegetation mal evaluate the condition of the LS slope. E underwater. Recommend taking photos and gates during fall inspection. FIELD_STRUCT_DESC: 36-inch corrug through levee, 9.2 feet below the crown. waterward end. Slide gate on the landwa "U" headwalls on both ends (USACE-19 matches the Drainage or Irrigation Struc O&M manual (HLM 3.67). FS Date: 4/19/2012 10:29:00 AM	Both gates of clear s ated met Flap gate ard end. (60). This	icult to s slopes al pipe e on the Concrete entry	-121.705341 ° -1;		
					DWR ID: DWR_MA00	013_02_f _ 2013_96	i
84 3.86 3.86 Supplemental DWR UC Field Stu		Inspector Comments: FS_ID:3557 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need photos of WS a without vegetation. Clear wood debris fr FIELD_STRUCT_DESC: 36-inch corrug through the levee, 8.8 feet below the cro the waterward end. Slide gate on the lat Concrete "U" headwalls on both ends (U This entry matches the Drainage or Irrig referenced in O&M manual (HLM 3.85). FS Date: 4/19/2012 10:53:00 AM	rom cross ated met own. Flap ndward e JSACE-19	ope sing. al pipe gate on nd. 960).	39.524350 ° ; :121.702181 ° -12	21.702181°	
85 3.86 3.86 Supplemental DWR UC Field Stu		Inspector Comments: FS_ID:4773 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: LS gate missing. Limi to dense vegetation on WS and LS slop of WS and LS slope without vegetation. for slide gate on LSslide gate is missin scattered near LS headwall. This crossi the USACE Periodic Inspection report at ID# USACE_CESPK_M13J_2011_p_00 wedged open and missing LS slide gate FIELD_STRUCT_DESC: 36-inch corrug through the levee, 8.8 feet below the cro the waterward end. Slide gate on the lat Concrete "U" headwalls on both ends (U This entry matches the Drainage or Irrig referenced in O&M manual (HLM 3.85). FS Date: 4/19/2012 10:53:00 AM	es. Need Descripti g. Debris ng was lis s Corp's l 10 for Wi ated met own. Flap ndward e ISACE-18	ection due photos on calls sted in Inspect S gate al pipe gate on nd.	39.524350 ° :.121.702180 ° -12	21.702180°	98

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

		Wa	iterway		Bank	Unit Miles	Inspection Start/End	Inspector
		Unit No. 02 (Cheroke	e Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffey
Levee Mile Start End	Category	Item	Rating ** + Location *	Action/Comment			GPS Latitude/L	ongitude Issue No. End Photo
	Supplemental	DWR UCIP Field Study	WS M En	Inspector Comments: FS_ID:5190 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: LS gate missing. Den Limited inspection. Need photos of WS without vegetation. Description calls for slide gate is missing. Debris scattered in This crossing was listed in the USACE Freport as Corp's Inspect ID# USACE_CESPK_M13J_2011_p_0010 fivedged open and missing LS slide gate FIELD_STRUCT_DESC: 36-inch corrugthrough the levee, 8.8 feet below the crothe waterward end. Slide gate on the late Concrete "U" headwalls on both ends (UThis entry matches the Drainage or Irrigreferenced in O&M manual (HLM 3.85). FS Date: 4/19/2012 10:53:00 AM	and LS sl slide gate ear LS he Periodic Ir or WS ga ated met own. Flap ndward e ISACE-19	ation- ope e on LS eadwall. respection te al pipe gate on nd. 960).	39.524350 ° 39.524350 ° -12°	9.524350° 99 1.702180°
87 3.86 3.86	Supplemental	DWR UCIP Field Study	WS M En	Inspector Comments: FS_ID:5192 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: LS gate missing. Den Imited inspection. Need photos of WS & vegetation. Description calls for slide ga gate missing. Debris scattered near LS I crossing was listed in the USACE Perior report as Corp's Inspect ID# USACE_CESPK_M13J_2011_p_0010 for wedged open and missing LS slide gate FIELD_STRUCT_DESC: 36-inch corrug through the levee, 8.8 feet below the cro the waterward end. Slide gate on the lat Concrete "U" headwalls on both ends (U This entry matches the Drainage or Irrig referenced in O&M manual (HLM 3.85). FS Date: 4/19/2012 10:53:00 AM	LS slope te on LS- headwall. dic Inspector WS ga ated meta own. Flap ndward e ISACE-19	ation- e without slide This ction te al pipe gate on nd.	DWR ID: DWR_MA001 39.524350 ° 38 121.702180 ° -12	9.524350° 100

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

		\//ata=			Donle	Limit Milaa	Inspection	Inorses	tor
		Waterwa	ıy		Bank	Unit Miles	Start/End	Inspec	
	Unit N	o. 02 Cher	oke	e Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffe	
Levee Mile	Category Ite	n Location	Rating ** +	Action/Comment			GPS Latitude	e/Longitude	Issue No.
Start End	Catogory	ion	g	7 Oder Weekington			Start	End	Photo
	Supplemental DWR UC Field Stu	dy	En	Inspector Comments: FS_ID:4153 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection due vegetation on WS and LS slopes. Need LS slope without vegetation. Description gate on LSslide gate is missing. Debris LS headwall. This crossing was listed in Periodic Inspection report as Corp's Insp USACE_CESPK_M13J_2011_p_0010 fo gate. FIELD_STRUCT_DESC: 36-inch corrug through the levee, 8.8 feet below the cro the waterward end. Slide gate on the lar Concrete "U" headwalls on both ends (U This entry matches the Drainage or Irriga referenced in O&M manual (HLM 3.85). FS Date: 4/19/2012 10:53:00 AM	photos o calls for s scattered the USA pect ID# or missin ated met wn. Flap ndward e SACE-19	e f WS and slide ed near CE g slide al pipe gate on nd. 960).	39.524350 ° -121.702181 ° - DWR ID: DWR_MA 39.524350 °		_101
3.00 3.00	Field Stu		En	Inspector Confinents: FS_ID. 18339 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: LS gate missing & lim Need photos of WS & LS cleared slopes for slide gate on LS-slide gate missing. I near LS headwall. This crossing was list Periodic Inspection report as Corp's Insp USACE_CESPK_M13J_2011_p_0010 f wedged open & missing LS slide gate.7/ and LS slopes have been cleared of veg good condition. LS gate is still missing a is still wedged open with sticks. FIELD_STRUCT_DESC: 36-inch corrug. through the levee, 8.8 feet below the cro the waterward end. Slide gate on the lar Concrete "U" headwalls on both ends (U This entry matches the Drainage or Irriga referenced in O&M manual (HLM 3.85). FS Date: 7/10/2013 2:57:43 PM	Description Descri	ection. otion calls eattered USACE ete WS nnd are in flap gate al pipe gate on nd. 960).	-121.702180 ° -	121.702180 °	Y

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

				Wat	terwa	ay		Bank	Unit Miles	Inspection Start/End	Insped	ctor
				Unit No. 02 C	Cher	roke	e Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffe	
LMR No.	Levee	Mile End	Category	Item	Location *	Rating	Action/Comment			GPS Latitude/I	ongitude End	No. Photo
90	3.86		Supplemental	DWR UCIP Field Study	WS	En	Inspector Comments: FS_ID:5197 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: LS gate missing & lim Need photos of WS & LS cleared slopes for slide gate on LS-slide gate missing. I near LS headwall. This crossing was list Periodic Inspection report as Corp's Insp USACE_CESPK_M13J_2011_p_0010 fo wedged open & missing LS slide gate. FIELD_STRUCT_DESC: 36-inch corrug through the levee, 8.8 feet below the cro the waterward end. Slide gate on the lat Concrete "U" headwalls on both ends (UT) This entry matches the Drainage or Irrigareferenced in O&M manual (HLM 3.85). FS Date: 4/19/2012 10:53:00 AM	s. Descrip Debris so ed in the pect ID# or WS ga ated met wn. Flap ndward e SACE-19	ection. otion calls attered USACE ute al pipe gate on nd. 960).		9.524350 °	
										DWR ID: DWR_MA00		
91	3.86	3.86	Supplemental	DWR UCIP Field Study	WS	En	Inspector Comments: FS_ID:4151 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection due vegetation on WS and LS slopes. Need LS slope without vegetation. Description gate on LSslide gate is missing. This c in the USACE Periodic Inspection report ID# USACE_CESPK_M13J_2011_p_00 slide gate. FIELD_STRUCT_DESC: 36-inch corrug through the levee, 8.8 feet below the cro the waterward end. Slide gate on the lat Concrete "U" headwalls on both ends (U This entry matches the Drainage or Irrig- referenced in O&M manual (HLM 3.85). FS Date: 4/19/2012 10:53:00 AM	photos o calls for rossing v as Corp 10 for mi ated met wn. Flap ndward e SACE-19	e f WS and slide vas listed 's Inspect ssing al pipe gate on nd. 960).	121.702181 ° -12		
										DWR ID: DWR_MA00	3_02_f _ 2013	_104

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

				Wat	terwa	ау		Bank	Unit Miles	Inspection Start/End	Inspec	ctor
				Unit No. 02 C	her	oke	e Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffe	
LMR No.	Levee	Mile End	Category	Item	Location	Rating	Action/Comment			GPS Latitude/	_ongitude	No. Photo
92	3.86		Supplementa	DWR UCIP Field Study	WS	M En	Inspector Comments: FS_ID:5535 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: LS gate missing & lim Need photos of WS & LS cleared slopes for slide gate on LS-slide gate missing. I near LS headwall. This crossing was list Periodic Inspection report as Corp's Insp USACE_CESPK_M13J_2011_p_0010 for wedged open & missing LS slide gate. FIELD_STRUCT_DESC: 36-inch corrug through the levee, 8.8 feet below the cro the waterward end. Slide gate on the lat Concrete "U" headwalls on both ends (U This entry matches the Drainage or Irrig- referenced in O&M manual (HLM 3.85). FS Date: 4/19/2012 10:53:00 AM	s. Descrip Debris so ed in the Dect ID# or WS ga ated met wn. Flap ndward e SACE-19	ection. otion calls attered USACE ute al pipe gate on nd. 960).		9.524350 °	
93	3.86	3.86	Supplemental	DWR UCIP Field Study	WS	M En	Inspector Comments: FS_ID:5195 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: LS gate missing. Den: Imited inspection. Need photos of WS & slopes. Description calls for slide gate or missing. Debris scattered near LS headwas listed in the USACE Periodic Inspect Corp's Inspect ID# USACE_CESPK_M1 for WS gate wedged open & missing LS FIELD_STRUCT_DESC: 36-inch corrug through the levee, 8.8 feet below the cro the waterward end. Slide gate on the lar Concrete "U" headwalls on both ends (U This entry matches the Drainage or Irrigareferenced in O&M manual (HLM 3.85). FS Date: 4/19/2012 10:53:00 AM	LS clean LS-slide wall. This ction reports 3J_2011 slide gate ated met wn. Flap andward e SACE-19	ation- red e gate crossing ort as _p_0010 te. all pipe gate on nd. 960).	DWR ID: DWR_MA00 39.524350 ° 3 121.702180 ° -12	9.524350 ° 1.702180 °	106

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

				Wa	terway		Bank	Unit Miles	Inspection Start/End	Inspector
				Unit No. 02 C	Cherok	ee Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffey
LMR No.	Levee	Mile	Category	Item	Location	Action/Comment			GPS Latitude/	Longitude Issue No. End Photo
94	3.86		Supplementa	DWR UCIP Field Study	WS M	Inspector Comments: FS_ID:15538	s. Descrit Debris so ted in the pect ID# for WS ga 1/10/2013 getation a and WS gated merown. Flap and ward e JSACE-1 gation Str	pection. ption calls cattered c USACE ate WS and are in flap gate tal pipe o gate on end. 960).		89.524350 ° 107 11.702180 °
95	3.86	3.86	Supplementa	DWR UCIP Field Study	WS M		s. Descri Debris so ted in the pect ID# for WS ga gated me own. Flap indward e JSACE-1 gation Str	pection. ption calls cattered a USACE ate tal pipe o gate on end. 960).	39.524350 ° 3 -121.702180 ° -12	89.524350 ° 108 11.702180 °

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

FS Date: 4/19/2012 10:53:00 AM

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

				Wat	terwa	ay		Bank	Unit Miles	Inspection Start/End	Inspec	ctor
				Unit No. 02 C	her	oke	e Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffe	
LMR No.	Levee	Mile End	Category	Item	Location	Rating ** +	Action/Comment			GPS Latitude/	Longitude End	No. Photo
96		4.21	Supplemental	DWR UCIP Field Study	WS	M En	Inspector Comments: FS_ID:5536 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection on dense vegetation. Limited inspection on gates submerged under water. Rodent of levee in the vicinity of pipe. FIELD_STRUCT_DESC: 36-inch corrug through the levee, 9.3 feet below the cro the waterward end. Slide gate on the lan Concrete "U" headwalls on both ends (U Concrete sump area with flash boards to field is located on farmer's property near entry matches the Drainage and Irrigatio referenced in O&M manual (HLM 4.20). FS Date: 4/19/2012 10:55:00 AM	gates du amage o ated met wn. Flap dward er SACE 19 o drain fai drain inle	e due to e to both on LS of al pipe gate on nd. 360). rmers et. This		39.528210 °	
97	4.21	4.21	Supplemental	DWR UCIP Field Study	WS		Inspector Comments: FS_ID:15544 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Rodent damage on LS vicinity of pipe. Limited inspection on W3 dense vegetation. Limited inspection on gates submerged under water.7/10/2013 cleared of vegetation and is in good conwere fully submerged under water and u inspected. FIELD_STRUCT_DESC: 36-inch corrug through the levee, 9.3 feet below the cro the waterward end. Slide gate on the lan Concrete "U" headwalls on both ends (U Concrete sump area with flash boards to field is located on farmer's property near entry matches the Drainage and Irrigatio referenced in O&M manual (HLM 4.20). FS Date: 7/10/2013 3:02:47 PM	S slope d gates du B WS slo dition. Be nable to ated met wn. Flap dward er SACE 19 drain fai drain inle	e in the ue to e to both ope is oth gates be al pipe gate on od. Process of the gate of th	39.528210 ° 3 121.698410 ° -12	39.528210 °	110

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

		Wa	aterway		Bank	Unit Miles	Inspection Start/End	Inspec	tor
		Unit No. 02	Cheroke	e Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffe	
Levee Mile	Category	Item	Rating ** + Location *	Action/Comment			GPS Latitude/I		No.
98 4.21 4.21	Supplementa	DWR UCIP Field Study	WS M En	Inspector Comments: FS_ID:15543 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Rodent damage on L vicinity of pipe. Limited inspection on W dense vegetation. Limited inspection on gates submerged under water.7/10/201 cleared of vegetation and is in good cor were fully submerged under water and u inspected. FIELD_STRUCT_DESC: 36-inch corrug through the levee, 9.3 feet below the cre the waterward end. Slide gate on the lar Concrete "U" headwalls on both ends (U Concrete sump area with flash boards t field is located on farmer's property nea entry matches the Drainage and Irrigatio referenced in O&M manual (HLM 4.20). FS Date: 7/10/2013 3:00:28 PM	S slope d gates du 3 WS slo dition. Bo unable to lated meta own. Flap ndward er JSACE 19 o drain fair drain inlo	e in the ue to e to both pe is oth gates be al pipe gate on id. 960). rmers et. This	Start 39.528210 ° 3 121.698410 ° -12		
99 4.21 4.21	Supplementa	I DWR UCIP Field Study	WS M En	Inspector Comments: FS_ID:4200 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection on dense vegetation. Limited inspection on gates submerged under water. Rodent of levee in the vicinity of pipe. FIELD_STRUCT_DESC: 36-inch corrugthrough the levee, 9.3 feet below the crothe waterward end. Slide gate on the late Concrete "U" headwalls on both ends (U Concrete sump area with flash boards to	gates du damage o jated meta bwn. Flap ndward er JSACE 19	e due to e to both n LS of al pipe gate on nd. 960).	39.528210° 3	9.528210 ° 1.698410 °	112

field is located on farmer's property near drain inlet. This entry matches the Drainage and Irrigation Structure

referenced in O&M manual (HLM 4.20). FS Date: 4/19/2012 10:55:00 AM

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

					Wat	erwa	ıy		Bank	Unit Miles	Inspection Start/End	Inspec	ctor
				Unit No	. 02 C	her	oke	e Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffe	
LMR	Levee	Mile				Loc	پچ پ				GPS Latitude	/Longitude	Issue
R No.	Start	End	Category	Item		Location	Rating ** +	Action/Comment			Start	End	No. Photo
100	4.21	4.21	Supplemental	DWR UCII Field Stud		WS	M	Inspector Comments: FS_ID:4152 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection on dense vegation. Limited inspection on gates submerged under water. Rodent of side of levee in the vicinity of pipe. FIELD_STRUCT_DESC: 36-inch corrug through the levee, 9.3 feet below the cro the waterward end. Slide gate on the lar Concrete "U" headwalls on both ends (U Concrete sump area with flash boards to field is located on farmer's property nea entry matches the Drainage and Irrigatio referenced in O&M manual (HLM 4.20). FS Date: 4/19/2012 10:55:00 AM	ates due damage of ated metabown. Flap andward en USACE 1900 of drain far drain inle	e due to to both n land al pipe gate on id. 160). mers et. This	39.528210°.121.698410°-1		
101	4.21	4.21	Supplemental	I DWR UCII Field Stud		WS		Inspector Comments: FS_ID:3558 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Rodent damage on la the vicinity of pipe. FIELD_STRUCT_DESC: 36-inch corrug through the levee, 9.3 feet below the cro the waterward end. Slide gate on the lar Concrete "U" headwalls on both ends (U Concrete sump area with flash boards to field is located on farmer's property nea entry matches the Drainage and Irrigatio referenced in O&M manual (HLM 4.20). FS Date: 4/19/2012 10:55:00 AM	ated meta own. Flap ndward en JSACE 19 o drain far r drain inle	f levee in al pipe gate on id. 160). Imers et. This	39.528210° .121.698410° -1	39.528210 ° 21.698410 °	
											DWR ID: DWR_MA0	013_02_f _ 2013_	_114
102	4.21	4.21	Supplemental	DWR UCII Field Stud		WS		Inspector Comments: FS_ID:5597 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Rodent damage on Livicinity of pipe. Limited inspection on W dense vegetation. Limited inspection on gates submerged under water. FIELD_STRUCT_DESC: 36-inch corrug through the levee, 9.3 feet below the cro the waterward end. Slide gate on the lar Concrete "U" headwalls on both ends (U Concrete sump area with flash boards to field is located on farmer's property nea entry matches the Drainage and Irrigatio referenced in O&M manual (HLM 4.20). FS Date: 4/19/2012 10:55:00 AM	S slope di gates dur ated meta own. Flap ndward en JSACE 19 o drain far r drain inle	e in the ue to e to both al pipe gate on id. 160). Theres et. This	39.528210 ° .121.698410 °1		

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

	Wa	terway		Bank	Unit Miles	Inspection Start/End	Inspector
	Unit No. 02 (Cheroke	e Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffey
Levee Mile Start End Category	Item	Rating ** + Location *	Action/Comment			GPS Latitude	Longitude Issue No. Photo
103 4.21 4.21 Supplementa	DWR UCIP Field Study	WS M En	Inspector Comments: FS_ID:4154 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection on dense vegetation. Limited inspection on gates submerged under water. Rodent of levee in the vicinity of pipe. FIELD_STRUCT_DESC: 36-inch corrug through the levee, 9.3 feet below the cro the waterward end. Slide gate on the lan Concrete "U" headwalls on both ends (U Concrete sump area with flash boards to field is located on farmer's property near entry matches the Drainage and Irrigatio referenced in O&M manual (HLM 4.20). FS Date: 4/19/2012 10:55:00 AM	gates du amage o ated met wn. Flap dward er SACE 19 o drain fai drain inle	e due to e to both n LS of al pipe gate on nd. 360). rmers et. This	121.698410° -1:	
104 4.58 5.00 Earthen Levee	Encroachments	WS M	GA : Garbage		-	39.526858 ° 121.689360 ° -1. DWR ID: DWR_MA0	39.537468 ° 911 21.690882 ° Y
105 4.70 4.70 Supplementa	DWR UCIP Field Study	WS M En	Inspector Comments: FS_ID:3560 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need photos of WS sivegetation. FIELD_STRUCT_DESC: 24-inch corrug through the levee, 5.6 feet below the cro the waterward end. Slide gate on the lan Concrete "U" headwalls on both ends (U This entry matches the Drainage or Irrigareferenced in O&M manual (HLM 4.69) FS Date: 4/19/2012 11:00:00 AM	ated met wn. Flap dward er SACE-19	clear al pipe gate on nd. 960).	39.532510° 121.691340° -1	39.532510° 117 21.691340° Y
106 4.70 4.70 Supplementa	DWR UCIP Field Study	WS M En	Inspector Comments: FS_ID:4201 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need photos of WS sivegetation. FIELD_STRUCT_DESC: 24-inch corrug through the levee, 5.6 feet below the cro the waterward end. Slide gate on the lan Concrete "U" headwalls on both ends (U This entry matches the Drainage or Irrigi referenced in O&M manual (HLM 4.69) FS Date: 4/19/2012 11:00:00 AM	ated met wn. Flap dward er SACE-19	clear al pipe gate on nd. 960).	DWR ID: DWR_MA0 39.532510 ° : 121.691340 ° -1	39.532510° 118 21.691340°

* Location LS : Land Side WS : Water Side CR : Crown ** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma · Mainter

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway		Bank	Unit Miles	Inspection Start/End	Inspector		
Unit No. 02 Cherokee Canal		Left	23.10	10/31/2013 Bob 10/31/2013 Duffey			
Levee Mile Category Item Rating Rating	Action/Comment			GPS Latitude/L	ongitude Issue No. End Photo		
107 4.70 4.70 Supplemental DWR UCIP WS M Field Study En	101 001010 0 101 001010 0						
	10 Bate. 4/13/2012 11:00:00 AW	DWR ID: DWR_MA0013_02_f _ 2013_119					
108 4.70 4.70 Supplemental DWR UCIP WS M Field Study En	Inspector Comments: FS_ID:15563 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection du vegetation on WS slope. Need photos o slope.7/10/2013 WS slope has been cle vegetation and is in good condition. FIELD_STRUCT_DESC: 24-inch corrug through the levee, 5.6 feet below the cro the waterward end. Slide gate on the lar Concrete "U" headwalls on both ends (U This entry matches the Drainage or Irrig referenced in O&M manual (HLM 4.69) FS Date: 7/11/2013 6:40:39 AM	39.532510 ° 39.532510 ° 120 21.691340 ° -121.691340 °					
				DWR ID: DWR_MA001	3_02_f _ 2013_120		
109 4.70 4.70 Supplemental DWR UCIP WS M Field Study En	Inspector Comments: FS_ID:5690 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection duvegetation on WS slope. Need photos o FIELD_STRUCT_DESC: 24-inch corrug through the levee, 5.6 feet below the cro the waterward end. Slide gate on the lar Concrete "U" headwalls on both ends (U This entry matches the Drainage or Irrig referenced in O&M manual (HLM 4.69) FS Date: 4/19/2012 11:00:00 AM	f clear Wated meta own. Flap ndward er ISACE-19	e S slope. al pipe gate on id. 960).	39.532510° 39.532510° 39.532510° -12°	9.532510 ° 121 1.691340 °		

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway		Bank	Unit Miles	Inspection Inspector Start/End		tor
Unit No. 02 Cherokee Canal		Left	23.10	10/31/2013 Bob 10/31/2013 Duffey		
Levee Mile Start End Category Item	Action/Comment			GPS Latitude/L	Longitude	Issue No. Photo
110 5.06 5.06 Supplemental DWR UCIP WS M Field Study En	Inspector Comments: FS_ID:5538 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Rusted pipe debris loc Remove pipe debris on WS and monitor near headwall. Rip-rap used to protect L erosion. Was pipe exposed prior to dum Erosion on the LS could have exposed p on the LS could restrict flow. FIELD_STRUCT_DESC: 30-inch corrug through the levee, 8.6 feet below the cro the waterward end. Concrete "U" headw (USACE-1960). This entry matches the Irrigation Structure referenced in O&M m FS Date: 4/24/2012 10:30:00 AM	39.526298 ° 39.526298 ° 122 121.688320 ° -121.688320 °				
111 5.06 5.06 Supplemental DWR UCIP WS M Field Study En	Inspector Comments: FS_ID:15565 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Rusted pipe debris lor Remove pipe debris on WS and monitor near headwall. Rip-rap used to protect L erosion. Was pipe exposed prior to dum Erosion on the LS could have exposed p on the LS could restrict flow.7/9/2013 S inspection. FIELD_STRUCT_DESC: 30-inch corrug through the levee, 8.6 feet below the cro the waterward end. Concrete "U" headw (USACE-1960). This entry matches the Irrigation Structure referenced in O&M m FS Date: 7/11/2013 6:44:21 AM	the LS e S headwing rock pipe. Der ame as la ated meta wn. Flap alls on bo Drainage	WS. Prosion all from Prose shrub ast al pipe gate on oth ends or	121.688320 ° -12	9.526298 ° 1.688320 °	123
112 5.06 5.06 Supplemental DWR UCIP WS M Field Study En	Inspector Comments: FS_ID:3562 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Evidence of erosion o headwall. Erosion could be caused by pi headwall. Dense shrub on the LS could Rusted pipe debris located on WS. Reco coordinating with property owner to remo WS and monitor the LS erosion near he exposed prior to dumping rock? Erosion have exposed pipe. FIELD_STRUCT_DESC: 30-inch corrug through the levee, 8.6 feet below the cro the waterward end. Concrete "U" headw (USACE-1960). This entry matches the Irrigation Structure referenced in O&M m FS Date: 4/24/2012 10:30:00 AM	pe outlet restrict floor mend ove pipe of adwall. We on the LS atted metalls on both Drainage	ind east of ow. debris on /as pipe S could al pipe gate on oth ends or	39.526280 ° 3:121.688330 ° -12	9.526280 ° 1.688330 °	

DWR ID: DWR_MA0013_02_f _ 2013_124

Location LS: Land Side WS : Water Side CR : Crown * Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

				W	aterway		Bank	Unit Miles	Inspection Start/End	Inspector
				Unit No. 02	Cheroke	e Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffey
LMR No.	Levee	Mile	Category	Item	Rating ** + Location	Action/Comment			GPS Latitude/L	Longitude Issue No. End Photo
113	5.06	5.06	Supplemental	DWR UCIP Field Study	WS M En	Inspector Comments: FS_ID:3580 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Evidence of erosion of headwall. Erosion could be caused by pheadwall. Dense shrub on the LS could Rusted pipe debris located on WS. Recocordinating with property owner to rem WS and monitor the LS erosion near he exposed prior to dumping rock? Erosion have exposed pipe. FIELD_STRUCT_DESC: 30-inch corrugthrough the levee, 8.6 feet below the crothe waterward end. Concrete "U" headw (USACE-1960). This entry matches the Irrigation Structure referenced in O&M in FS Date: 4/24/2012 10:30:00 AM	ipe outlet restrict floommend ove pipe adwall. Won the Lated met own. Flap ralls on be Drainage	debris on Vas pipe S could al pipe gate on oth ends	39.526298 ° 3:-121.688318 ° -12	
114	5.06	5.06	Supplemental	DWR UCIP Field Study	WS M En	Inspector Comments: FS_ID:5598 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Rusted pipe debris lor Remove pipe debris on WS and monitor near headwall. Rip-rap used to protect L erosion. Was pipe exposed prior to dum Erosion on the LS could have exposed p on the LS could restrict flow. FIELD_STRUCT_DESC: 30-inch corrug through the levee, 8.6 feet below the cro the waterward end. Concrete "U" headw (USACE-1960). This entry matches the Irrigation Structure referenced in O&M n FS Date: 4/24/2012 10:30:00 AM	r the LS e S headw ping rock pipe. Der atted met own. Flap ralls on bo Drainage	WS. erosion all from c? nse shrub al pipe gate on oth ends	39.526298° 3: -121.688320° -12	9.526298° 126 1.688320°
115	5.06	5.06	Supplemental	DWR UCIP	WS M	Inspector Comments: FS_ID:5199			DWR ID: DWR_MA001	9.526298 ° 127
				Field Study	En	EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Rusted pipe debris loc Remove pipe debris on WS and monitor near headwall. Rip-rap used to protect L erosion. Was pipe exposed prior to dum Erosion on the LS could have exposed p on the LS could restrict flow. FIELD_STRUCT_DESC: 30-inch corrug through the levee, 8.6 feet below the cro the waterward end. Concrete "U" headw (USACE-1960). This entry matches the Irrigation Structure referenced in O&M n FS Date: 4/24/2012 10:30:00 AM	the LS easy headw ping rock pipe. Der lated met pwn. Flap ralls on bo Drainage	WS. erosion all from c? nse shrub al pipe gate on oth ends	-121.688320 ° -12	

* Location LS: Land Side WS : Water Side CR : Crown Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

Flood Control Project Maintenance Levee Inspections

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway		Bank	Unit Miles	Inspection Start/End	Inspector			
Unit No. 02 Cherokee Canal		Left	23.10	10/31/2013 10/31/2013	Start/End Inspector 10/31/2013 Bob Duffey PS Latitude/Longitude Issue No. Start End Photo 9.526298 ° 39.526298 ° 128 1.688318 ° -121.688318 ° Start Start Start End Photo Ph			
Levee Mile Start End Category Item	Action/Comment				- INO.			
Field Study En EP_NO: N/A Repair Type Crossing Sta UCIP Comm headwall. En headwall. Do Rusted pipe coordinating WS and exposed price have exposed FIELD_STR through the the waterwa (USACE-196) Irrigation Str	06 5.06 Supplemental DWR UCIP WS M Inspector Comments: FS_ID:4202							
FS Date: 4/2	4/2012 10:30:00 AIVI			DWR ID: DWR_MA00	13_02_f _ 2013_128			
Field Study En EP_NO: N/A Repair Type Crossing Sta UCIP Comm closing the of FIELD_STR through the the waterwa (USACE-19a Irrigation Str	Non-Urgent	son. ated meta wn. Flap alls on bo Drainage	mend al pipe gate on oth ends or		1.688330°			
Field Study En EP_NO: N/A Repair Type Crossing Sta UCIP Comm hazard line. available on Active line? status of line FIELD_STR levee unkno	Non-Urgent tus: Indicator Found ents: Markers not present of Flag located on LS. No per y underground service alert Will need to contact PG&E at through levee. JCT_DESC: 6 inch steel gavn depth. (USACE-1962) Tillor Irrigation Structure refer 15.08).	menant n (USA) fla and find c as line thronis entry i	for narkers ags. out the ough the matches		9.526400 ° 130 1.688610 °			

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

				Wa	aterwa	ıy		Bank	Unit Miles	Inspection Start/End	Inspec	ctor
				Unit No. 02	Cher	oke	e Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffe	
L L	evee	Mile	2 /		Loca	Rat	A # 40			GPS Latitude/L	_ongitude	Issue No.
7	Start	End	Category	Item	Location *	Rating	Action/Comment			Start	End	Photo
119 (5.08	5.08	Supplemental	DWR UCIP Field Study	WS	UEn	Inspector Comments: FS_ID:5811 EP_NO: N/A Repair Type: Urgent Crossing Status: Indicator Found UCIP Comments: Markers not present of hazard line (Health & Safety Issue) unkr Owner is not compliant with Title 23. US LS however not visible. No permenant r only underground service alert (USA) fla Will need to contact PG&E and find out through levee. If line active/left in place of FIELD_STRUCT_DESC: 6 inch steel ga levee unknown depth. (USACE-1962) TI the Drainage or Irrigation Structure refer manual (HLM 5.08). FS Date: 4/24/2012	nown dep A flag loo markers a gs. Active the status needs ma as line thre his entry	for th. aated on available e line? s of line arkers. bugh the matches	39.526400 ° 3.121.688610 ° -12		
120 {	5.08	5.08	Supplemental	DWR UCIP Field Study	WS		Inspector Comments: FS_ID:5812 EP_NO: N/A Repair Type: Urgent Crossing Status: Indicator Found UCIP Comments: Markers not present of hazard line (Health & Safety Issue) unknowner is not compliant with Title 23. US LS however not visible. No permenant ronly underground service alert (USA) fla Will need to contact PG&E and find out through levee. FIELD_STRUCT_DESC: 6 inch steel galevee unknown depth. (USACE-1962) Ti the Drainage or Irrigation Structure refer manual (HLM 5.08). FS Date: 4/24/2012	nown dep A flag loo markers a gs. Active the status as line thre his entry	for th. aated on available e line? s of line ough the matches	39.526400° 3 121.688610°-12	9.526400 °	
										DWR ID: DWR_MA001	13_02_f _ 2013_	_132
121 (5.08	5.08	Supplemental	DWR UCIP Field Study	WS	M En	Inspector Comments: FS_ID:5539 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Flag located on LS. N markers available only underground ser flags. Active line? Will need to contact F the status of line through levee. FIELD_STRUCT_DESC: 6 inch steel ga levee unknown depth. (USACE-1962) TI the Drainage or Irrigation Structure refer manual (HLM 5.08). FS Date: 4/24/2012	vice alert PG&E and as line through his entry	nant (USA) I find out ough the matches	.121.688610 ° -12		
										DWR ID: DWR_MA001	10_02_1 _ 2013_	_133

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

				Wa	Bank	Unit Miles	Inspection Start/End	Inspec	tor		
				Unit No. 02 (Chero	kee Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffe	
LMR No.	Levee	Mile End	Category	Item	Location	Action/Commer	t		GPS Latitude/I	ongitude End	Issue No. Photo
122	5.08	5.08	Supplemental	DWR UCIP Field Study	WS I	Inspector Comments: FS_ID:3603 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Flag located on lan permenant markers available only US line? Will need to contact PG&E. FIELD_STRUCT_DESC: 6 inch steel levee unknown depth. (USACE-1962) the Drainage or Irrigation Structure re manual (HLM 5.08). test1 FS Date: 4/24/2012	s. Active rough the matches		526400 ° 39.526400 ° 134 688610 ° -121.688610 °		
						1 0 Bato. WE WE 1720 12			DWR ID: DWR_MA00	13_02_f _ 2013_	134
123	123 5.08 5.08 Supplemental DWR UCIP WS M Inspector Comments: FS_ID:4203 39.52640						39.526400° 3 -121.688610°-12	9.526400° 1.688610°	135		
									DWR ID: DWR_MA00	13_02_f _ 2013_	135
124	5.08	5.08	Supplemental	DWR UCIP Field Study	WS I	M Inspector Comments: FS_ID:3604 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: Flag located on lan permenant markers available only US line? Will need to contact PG&E. FIELD_STRUCT_DESC: 6 inch steel levee unknown depth. (USACE-1962) the Drainage or Irrigation Structure re manual (HLM 5.08). test2 FS Date: 4/24/2012	A markings gas line thi This entry	s. Active rough the matches	39.526400° 3 -121.688612° -12	9.526400 ° 1.688612 °	136
									DWR ID: DWR_MA00	13_02_f _ 2013_	136

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector	
Unit No. 02 Cherokee Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffey	
Levee Mile Start End Category Item Start End Category Item Action/Comment	nt		GPS Latitude/I	Longitude Issue No. End Photo	
Flag located on LS. No permenant n underground service alert (USA) flags need to contact PG&E and find out th through levee. FIELD_STRUCT_DESC: 6 inch steel levee unknown depth. (USACE-1962	EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Markers not visible for high hazard line. Flag located on LS. No permenant markers available only underground service alert (USA) flags. Active line? Will need to contact PG&E and find out the status of line through levee. FIELD_STRUCT_DESC: 6 inch steel gas line through the levee unknown depth. (USACE-1962) This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 5.08).				
			DWR ID: DWR_MA00	13_02_f _ 2013_137	
5.08 Supplemental DWR UCIP Field Study WS M Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Markers not presen hazard line (Health & Safety Issue) u Owner is not compliant with Title 23. LS however not visible. No permena only underground service alert (USA) Will need to contact PG&E and find of through levee.7/9/2013 New carsoni with concrete access box on LS about highway 99. Depth is still unknown. FIELD_STRUCT_DESC: 6 inch steel levee unknown depth. (USACE-1962 the Drainage or Irrigation Structure re manual (HLM 5.08). FS Date: 7/11/2013 6:54:00 AM	nknown dep USA flag lo nt markers flags. Activ out the statu te marker in tt 10 feet ea gas line the This entry	for oth. cated on available re line? is sof line istalled ist of rough the matches	39.526400 ° 3 -121.688610 ° -12		
127 5.08 5.08 Supplemental DWR UCIP Field Study WS U En EP_NO: N/A Repair Type: Urgent Crossing Status: Indicator Found UCIP Comments: Markers not preset hazard line (Health & Safety Issue) u Owner is not compliant with Title 23. LS however not visible. No permena only underground service alert (USA) Will need to contact PG&E and find of through levee. This line needs marke to determine if line has been abandon FIELD_STRUCT_DESC: 6 inch steel levee unknown depth. (USACE-1962 the Drainage or Irrigation Structure re manual (HLM 5.08). FS Date: 4/24/2012	nknown dep USA flag lo nt markers flags. Active out the staturs per Title ned properly gas line thi This entry	for oth. cated on available re line? is sof line 23. Need y. rough the matches		9.526400 ° 139 1.688610 °	

* Location

+ Issue Type

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

				Unit Miles	Inspection Start/End	Inspector								
				Unit No. 02 C	Chero	ke	e Canal	Left	23.10	10/31/2013 10/31/2013	Start/End Inspector 10/31/2013 Bob Duffey PS Latitude/Longitude Issue No. Photo Start End Photo S26400 ° 39.526400 ° 140 688610 ° -121.688610 ° 140 688610 ° -121.688610 ° 141 688610 ° -121.688610 ° 141 688610 ° -121.688610 ° 141 688610 ° 141 688610 ° 141 688610 ° 141 688610 ° 141 688610 ° 141 688610 ° 141 688610 ° 141 688610 ° 141 1			
LMR No.	Levee	Mile End	Category	Item	** + Location	Rating	Action/Comment				No.			
128	5.08	5.08	Supplementa	DWR UCIP Field Study	WS I	U ≣n	Inspector Comments: FS_ID:15566 EP_NO: N/A Repair Type: Urgent Crossing Status: Indicator Found UCIP Comments: Markers not present of hazard line (Health & Safety Issue) unknowner is not compliant with Title 23. US LS however not visible. No permenant ronly underground service alert (USA) fla Will need to contact PG&E and find out through levee.7/9/2013 New carsoniter with concrete access box on LS about 10 highway 99. FIELD_STRUCT_DESC: 6 inch steel ga levee unknown depth. (USACE-1962) The Drainage or Irrigation Structure refer manual (HLM 5.08). FS Date: 7/11/2013 6:46:06 AM	nown depi A flag loo markers a gs. Active the status marker ins 0 feet eas s line thronis entry i	for th. sated on available e line? so of line stalled but of bugh the matches	-121.688610 ° -121.688610 °				
129	5.08	5.08	Supplementa	DWR UCIP Field Study	WS I		Inspector Comments: FS_ID:15567 EP_NO: N/A Repair Type: Urgent Crossing Status: Indicator Found UCIP Comments: Markers not present of hazard line (Health & Safety Issue) unknowner is not compliant with Title 23. US LS however not visible. No permenant ronly underground service alert (USA) fla Will need to contact PG&E and find out through levee.7/9/2013 New carsonite rwith concrete access box on LS about 1 highway 99. Depth is still unknown. FIELD_STRUCT_DESC: 6 inch steel galevee unknown depth. (USACE-1962) The Drainage or Irrigation Structure refermanual (HLM 5.08). FS Date: 7/11/2013 6:54:00 AM	nown depi A flag loo markers a gs. Active the status marker ins 0 feet eas s line thronis entry i	for th. sated on available e line? so fline stalled st of bugh the matches	39.526400° 39.121.688610° -121	9.526400° 141 1.688610°			
130	5.08	5.08	Supplementa	DWR UCIP Field Study			Inspector Comments: FS_ID:4775 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Flag located on LS. N markers available only underground sen flags. Active line? Will need to contact P the status of line through levee. FIELD_STRUCT_DESC: 6 inch steel ga levee unknown depth. (USACE-1962) Th the Drainage or Irrigation Structure refer manual (HLM 5.08). FS Date: 4/24/2012	vice alert PG&E and Is line thro nis entry r	nant (USA) I find out ough the matches	39.526400 ° 39	9.526400 ° 142			

* Location
LS: Land Side
WS: Water Side
CR: Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type Ma : Mainter

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

		W	aterway		Bank	Unit Miles	Inspection Start/End	Inspector
		Unit No. 02	Cheroke	ee Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffey
Levee	e Mile Categor	/ Item	Rating ** + Location *	Action/Comment			GPS Latitude/l	No.
Start	End	ntal DWR UCIP Field Study	WS U En	Inspector Comments: FS_ID:5684 EP_NO: N/A Repair Type: Urgent Crossing Status: Indicator Found UCIP Comments: Markers not present of hazard line (Health & Safety Issue) unknotated on LS. No permenant markers a underground service alert (USA) flags. A need to contact PG&E and find out the s through levee. This line needs markers to determine if line has been abandoned FIELD_STRUCT_DESC: 6 inch steel ga levee unknown depth. (USACE-1962) The the Drainage or Irrigation Structure refer manual (HLM 5.08). FS Date: 4/24/2012	nown deponavailable active line status of liper Title 2 properly in line through the control of	for th. Flag only ?? Will ine 23. Need ough the matches	Start 39.526400 ° 3.121.688610 ° -12	End Photo 9.526400 ° 143 1.688610 °
132 5.08	5.08 Suppleme	ntal DWR UCIP Field Study	WS M En	Inspector Comments: FS_ID:3609 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Flag located on land s permenant markers available only USA l line? Will need to contact PG&E. FIELD_STRUCT_DESC: 6 inch steel ga levee unknown depth. (USACE-1962) Th the Drainage or Irrigation Structure refer manual (HLM 5.08). FS Date: 4/24/2012	markings s line thro nis entry i	. Active ough the matches	DWR ID: DWR_MA00: 39.526400 ° 3 .121.688610 ° -12	9.526400 ° 144 1.688610 °
133 5.08	5.08 Suppleme	ntal DWR UCIP Field Study	WS M En	Inspector Comments: FS_ID:3608 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: Flag located on land s permenant markers available only USA I line? Will need to contact PG&E. FIELD_STRUCT_DESC: 6 inch steel ga	markings s line thro	. Active	39.526400° 3 121.688610° -12	

manual (HLM 5.08). FS Date: 4/24/2012

levee unknown depth. (USACE-1962) This entry matches the Drainage or Irrigation Structure referenced in O&M

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Waterway Bar										
Unit No. 02 Cherokee Canal	L	Left	23.10	10/31/2013 10/31/2013	Bob Duffey						
Levee Mile Start End Category Item To the state of the st	n/Comment			GPS Latitude/L	ongitude Issue No. End Photo						
134 5.08 5.08 Supplemental DWR UCIP Field Study WS M En EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator F UCIP Comments: Flag locat permenant markers availabl line? Will need to contact PO FIELD_STRUCT_DESC: 6 i levee unknown depth. (USA the Drainage or Irrigation St manual (HLM 5.08). FS Date: 4/24/2012	Found ted on land side. le only USA mar G&E. inch steel gas lir CE-1962) This e	rkings. A ne throug entry ma	active gh the atches	121.688610 ° -12							
135 5.08 5.08 Supplemental DWR UCIP Field Study WS M En EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator F UCIP Comments: Flag locat permenant markers availabl line? Will need to contact PO FIELD_STRUCT_DESC: 6 i levee unknown depth. (USA the Drainage or Irrigation Str manual (HLM 5.08). FS Date: 4/24/2012	Found ted on land side. le only USA mar G&E. inch steel gas lir ICE-1962) This e	rkings. Anne through	active gh the atches	DWR ID: DWR_MA001 39.526400 ° 38 121.688610 ° -12	9.526400 ° 147 1.688610 °						
136 5.08 5.08 Supplemental DWR UCIP Field Study WS M En EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator F UCIP Comments: Flag locat permenant markers availabl line? Will need to contact PO FIELD_STRUCT_DESC: 6 i levee unknown depth. (USA the Drainage or Irrigation Sti manual (HLM 5.08). FS Date: 4/24/2012	Found ted on land side. le only USA mar G&E. inch steel gas lir CE-1962) This e	rkings. A ne throug entry ma	active gh the atches	39.526400 ° 39.121.688610 ° -12	9.526400 ° 148 1.688610 °						

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

			Wa		Bank	Unit Miles	Inspection Start/End	Inspecto	or		
			Unit No. 02 (Cheroke	e Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffey	,	
Le Sta	evee Mil	Category	Item	Rating ** + Location *	Action/Comment			GPS Latitude/L	Longitude	No. Photo	
137 5.	.14 5.	4 Supplementa	DWR UCIP Field Study	WS M En	Inspector Comments: FS_ID:4205 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Slide gate is damaged replaced. Limited inspection on WS slop dense vegetation. Need photos of clear FIELD_STRUCT_DESC: 24-inch corrug through the levee, 5.7 feet below the crothe waterward side. Slide gate on the lar Concrete "U" headwalls on both ends (UThis entry matches the Drainage or Irrig referenced in O&M manual (HLM 5.13). FS Date: 4/24/2012 10:39:00 AM	e and too WS slope ated met wn. Flap ndward si ISACE-1	to be e due to e and toe. al pipe gate on ide. 960).	121.689335 ° -12	017° 39.526917° 149 0135° -121.689335°		
138 5.	.14 5.	4 Supplementa	DWR UCIP Field Study	WS M En	Inspector Comments: FS_ID:4206 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Slide gate is damaged replaced. Limited inspection on WS slop dense vegetation. Need photos of clear toe. This crossing was listed in the USA Inspection report as Corp's inspection ID USACE_CESPK_M13H_2011_p_0026 ft LS. FIELD_STRUCT_DESC: 24-inch corrug through the levee, 5.7 feet below the crothe waterward side. Slide gate on the lar Concrete "U" headwalls on both ends (UThis entry matches the Drainage or Irrig referenced in O&M manual (HLM 5.13). FS Date: 4/24/2012 10:39:00 AM	pe and too WS slope CE Perio D# For broker ated met own. Flape adward s ISACE-19	to be e due to e and dic n gate on al pipe gate on ide. 960).	39.526917° 3 121.689335° -12			
139 5.	.14 5.	4 Supplementa	DWR UCIP Field Study	WS M En	Inspector Comments: FS_ID:5541 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Slide gate is damaged replaced. Limited inspection on WS slop dense vegetation. Need photos of clear toe. This crossing was listed in the USA Inspection report as Corp's inspection ID USACE_CESPK_M13H_2011_p_0026 ft LS. FIELD_STRUCT_DESC: 24-inch corrug through the levee, 5.7 feet below the crothe waterward side. Slide gate on the lar Concrete "U" headwalls on both ends (Tig referenced in O&M manual (HLM 5.13). FS Date: 4/24/2012 10:39:00 AM	be and too WS slope CE Perio D# for broker ated met own. Flape adward si ISACE-19	to be e due to e and dic n gate on al pipe gate on ide. 960).	39.526917° 3 121.689340° -12			

LS: Land Side WS : Water Side CR : Crown

* Location

* Rating A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

	W	aterway		Bank	Unit Miles	Inspection Start/End	Inspector			
	Unit No. 02	Cheroke	e Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffey			
Levee Mile Start End	ategory Item	Rating ** + Location *	Action/Comment			GPS Latitude/L	ongitude Issue No. End Photo			
140 5.14 5.14 Sup	pplemental DWR UCIP Field Study	WS M En	WS M Inspector Comments: FS_ID:5600 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Slide gate is damaged, needs to be replaced. Limited inspection on WS slope and toe due to dense vegetation. Need photos of clear WS slope and toe. This crossing was listed in the USACE Periodic Inspection report as Corp's inspection ID# USACE_CESPK_M13H_2011_p_0026 for broken gate on LS. FIELD_STRUCT_DESC: 24-inch corrugated metal pipe through the levee, 5.7 feet below the crown. Flap gate on the waterward side. Slide gate on the landward side. Concrete "U" headwalls on both ends (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 5.13).							
			FS Date: 4/24/2012 10:39:00 AM			DWR ID: DWR_MA001	3_02_f _ 2013_152			
141 5.14 5.14 Sup	pplemental DWR UCIP Field Study	WS M En	Inspector Comments: FS_ID:3592 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Screw gate is damage replaced FIELD_STRUCT_DESC: 24-inch corrug through the levee, 5.7 feet below the cro the waterward side. Slide gate on the lar Concrete "U" headwalls on both ends (U This entry matches the Drainage or Irrig- referenced in O&M manual (HLM 5.13). FS Date: 4/24/2012 10:39:00 AM	ated meta wn. Flap ndward si ISACE-19	to be al pipe gate on de. 960).	39.526917° 3 121.689335° -12	9.526917° 153 1.689335°			
142 5 14 5 14 5	polomontal DWD LICID	VA/C NA	Inancetor Comments: FC ID:2500			DWR ID: DWR_MA001				
774 5.14 5.14 Su	pplemental DWR UCIP Field Study	WS M En	Inspector Comments: FS_ID:3589 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Screw gate is damage replaced FIELD_STRUCT_DESC: 24-inch corrug through the levee, 5.7 feet below the cro the waterward side. Slide gate on the lar Concrete "U" headwalls on both ends (U This entry matches the Drainage or Irrigareferenced in O&M manual (HLM 5.13). FS Date: 4/24/2012 10:39:00 AM	ated meta wn. Flap ndward si ISACE-19	to be al pipe gate on de.	39.526917 ° 3: 121.689335 ° -12				

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Inspection Start/End	Inspector		
Unit No. 02 Cherokee Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffey
Levee Mile Start End Category Item Start End Category Action/Comm	ent		GPS Latitude/I	Longitude Issue No. End Photo
143 5.14 5.14 Supplemental DWR UCIP Field Study WS M EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Screw gate is daily replaced FIELD_STRUCT_DESC: 24-inch continuously the levee, 5.7 feet below the waterward side. Slide gate on the Concrete "U" headwalls on both end This entry matches the Drainage or referenced in O&M manual (HLM 5. FS Date: 4/24/2012 10:39:00 AM	rrugated met e crown. Flap e landward s ls (USACE-1 Irrigation Stri	s to be tal pipe gate on ide. 960).	-121.689335° -12	
144 5.14 Supplemental DWR UCIP Field Study WS M En EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Screw gate is dar replaced FIELD_STRUCT_DESC: 24-inch co through the levee, 5.7 feet below th the waterward side. Slide gate on th Concrete "U" headwalls on both end This entry matches the Drainage or referenced in O&M manual (HLM 5. FS Date: 4/24/2012 10:39:04 AM	rrugated met e crown. Flap e landward s ls (USACE-1 Irrigation Stri	s to be tal pipe gate on ide. 960).	DWR ID: DWR_MA00 39.526917 ° 3 -121.689335 ° -12	9.526917° 156 1.689335°
145 5.14 5.14 Supplemental DWR UCIP Field Study WS U Inspector Comments: FS_ID:3590 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: Screw gate is day replaced FIELD_STRUCT_DESC: 24-inch co through the levee, 5.7 feet below the the waterward side. Slide gate on the Concrete "U" headwalls on both end This entry matches the Drainage or referenced in O&M manual (HLM 5. FS Date: 4/24/2012 10:39:00 AM	rrugated met e crown. Flap e landward s ls (USACE-1 Irrigation Stri	s to be tal pipe gate on ide. 960).	39.526917° 3 -121.689335° -12	9.526917 ° 157 1.689335 °

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

			Inspection Start/End	Start/End							
				Unit No. 02	Cherok	ee Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffe	
찍 -	Levee Start	Mile End	Category	Item	Location	Action/Comme	nt		GPS Latitude/L	Longitude	Issue No. Photo
146	5.14	5.14	Supplemental	DWR UCIP Field Study	WS U	'	s to be tal pipe o gate on side. 960).	-121.689335 ° -12	39.526917 ° 39.526917 ° 158 21.689335 ° -121.689335 °		
147	5.34	5.34	Supplemental	DWR UCIP Field Study	WS M		ar WS slope sted in the L spect ID# 35 for overg tional. rugated me crown. Flap e landward s s (USACE-1 rrigation Str	pe due to during ISACE rown tal pipe gate on side. 960).	39.525958 ° 3 -121.692728 ° -12		Y
148	5.34	5.34	Supplemental	I DWR UCIP Field Study	WS M	Inspector Comments: FS_ID:5220 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection dense vegetation. Need photo of cle next inspection. This crossing was li Periodic Inspection report as Corp's USACE_CESPK_M13H_2011_p_00 crossing due to overgrown vegetatio FIELD_STRUCT_DESC: 30-inch co through the levee, 5.8 feet below the the waterward side. Slide gate on the Concrete "U" headwalls on both end This entry matches the Drainage or referenced in O&M manual (HLM 5.3 FS Date: 4/24/2012 10:43:00 AM	ar WS slope sted in the L inspect ID# 35 non-func n on WS fla rrugated me crown. Flap e landward s s (USACE-1 rrigation Str	be due to e during ISACE tional p gate. tal pipe o gate on side. 960).	39.525958 ° 3 -121.692730 ° -12		

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

				Wa	aterwa	ay		Bank	Unit Miles	Inspection Start/End	Inspec	ctor
				Unit No. 02 (Cher	oke	e Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffe	
LMR No.	Levee	Mile End	Category	Item	Location	Rating	Action/Comment			GPS Latitude/I	Longitude End	Issue No. Photo
149	5.34	5.34	Supplementa	DWR UCIP Field Study	WS	M En	Inspector Comments: FS_ID:5691 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection on dense vegetation. Need photo of clear V next inspection. This crossing was listed Periodic Inspection report as Corp's insp USACE_CESPK_M13H_2011_p_0035 or crossing due to overgrown vegetation or FIELD_STRUCT_DESC: 30-inch corrug through the levee, 5.8 feet below the cro the waterward side. Slide gate on the lar Concrete "U" headwalls on both ends (U This entry matches the Drainage or Irrig referenced in O&M manual (HLM 5.34). FS Date: 4/24/2012 10:43:00 AM	VS slope I in the US pect ID# non-functi n WS flap ated meta own. Flap ndward si JSACE-19	e due to during SACE ional gate. al pipe gate on de. 260).	39.525958 ° 3 121.692730 ° -12		
150	5.34	5.34	Supplementa	I DWR UCIP Field Study	WS		Inspector Comments: FS_ID:15571 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection on dense vegetation. Need photo of clear V next inspection. This crossing was listed Periodic Inspection report as Corp's insp USACE_CESPK_M13H_2011_p_0035 or crossing due to overgrown vegetation or gate.7/9/2013 Same as last inspection. FIELD_STRUCT_DESC: 30-inch corrug through the levee, 5.8 feet below the cro the waterward side. Slide gate on the lat Concrete "U" headwalls on both ends (U This entry matches the Drainage or Irrig referenced in O&M manual (HLM 5.34). FS Date: 7/11/2013 7:35:48 AM	VS slope I in the US Dect ID#	e due to during SACE ional al pipe gate on de. 260).	39.525958° 3 121.692730° -12	9.525958° 11.692730°	162

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Flood Control Project Maintenance Levee Inspections

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

				Wa	terwa	ıy		Bank	Unit Miles	Inspection Start/End	Inspec	ctor
				Unit No. 02 (Cher	oke	e Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffe	
LMR	Levee	Mile			Loca	Rai *				GPS Latitude	/Longitude	Issue No.
No.	Start	End	Category	Item	Location	Rating ** +	Action/Comment			Start	End	Photo
151	5.34	5.34	Supplemental	DWR UCIP Field Study	ws	M En	Inspector Comments: FS_ID:4776 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection on dense vegetation. Need photo of clear W next inspection. This crossing was listed Periodic Inspection report as Corp's insp USACE_CESPK_M13H_2011_p_0035 f due to overgrown vegetation on WS flap FIELD_STRUCT_DESC: 30-inch corrug. through the levee, 5.8 feet below the cro the waterward side. Slide gate on the lar Concrete "U" headwalls on both ends (U This entry matches the Drainage or Irriga referenced in O&M manual (HLM 5.34). FS Date: 4/24/2012 10:43:00 AM	VS slope in the U pect ID# for non-fu gate. ated met wm. Flap ndward si ISACE-1!	e due to during SACE inctional al pipe gate on de. 960).	.121.692730° -1		
152	5.40	5.40	Supplemental	DWR UCIP Field Study	WS	M En	Inspector Comments: FS_ID:5221 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection on due to dense vegetation. Need photos or during next inspeciton. Metal plate bolter closure on WS, open on LS. FIELD_STRUCT_DESC: 6-inch steel pip levee, 1.6 feet below the crown. Plate bo waterward end. Open on the landward et 1962) This entry matches the Drainage Structure referenced in O&M manual (HI FS Date: 4/24/2012 10:46:00 AM	f clear slo d on pipe be throug olted on t nd. (USA or Irrigat	LS slope opes for h the he ACE-ion	DWR ID: DWR_MA0 39.525361 ° .121.693630 ° -1	39.525361 °	164
							FS Date: 4/24/2012 10:46:00 AM			DWR ID: DWR_MA0	013_02_f _ 2013 __	_164
153	5.40	5.40	Supplemental	DWR UCIP Field Study	WS	M En	Inspector Comments: FS_ID:15572 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection on due to dense vegetation. Need photos o during next inspection. Metal plate boltec closure on WS, open on LS.7/9/2013 Sc inspection. FIELD_STRUCT_DESC: 6-inch steel pip levee, 1.6 feet below the crown. Plate bo waterward end. Open on the landward e 1962) This entry matches the Drainage Structure referenced in O&M manual (HI FS Date: 7/11/2013 7:40:44 AM	f clear sle d on pipe ame as le be throug bited on t nd. (USA or Irrigat	LS slope opes for ast h the he ACE- ion	39.525361° 121.693630°-1	39.525361 ° 21.693630 °	165
							-			DWR ID: DWR_MA0	013_02_f _ 2013	_165

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

			Wa	iterway		Bank	Unit Miles	Inspection Start/End	Inspector
			Unit No. 02 (Cheroke	ee Canal	23.10	10/31/2013 10/31/2013	Bob Duffey	
Leve	ee Mile End	Category	Item	Rating ** + Location *	Action/Comment			GPS Latitude/L	ongitude Issue No. End Photo
154 5.4	0 5.40	Supplemental	DWR UCIP Field Study	WS M En	Inspector Comments: FS_ID:5261 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection on due to dense vegetation. Need photos of during next inspection. Metal plate bolte closure on WS, open on LS. FIELD_STRUCT_DESC: 6-inch steel pi levee, 1.6 feet below the crown. Plate b waterward end. Open on the landward e 1962) This entry matches the Drainage Structure referenced in O&M manual (H FS Date: 4/24/2012 10:46:00 AM	of clear slo ed on pipe pe throug olted on the end. (USA e or Irrigati	LS slope opes for the he ACE-	39.525361° 3: 121.693630° -12	9.525361 ° 166 1.693630 °
155 5.4	0 5.40	Supplemental	DWR UCIP Field Study	WS M En	Inspector Comments: FS_ID:4208 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Metal plate bolted on on WS, open on LS. Limited inspection slope due to dense vegetation. Need ph slopes during next inspeciton. FIELD_STRUCT_DESC: 6-inch steel pi levee, 1.6 feet below the crown. Plate b waterward end. Open on the landward et 1962) This entry matches the Drainage Structure referenced in O&M manual (H FS Date: 4/24/2012 10:46:00 AM	on WS and the control of the control of the control on the control	closure nd LS ear h the he ACE- ion	DWR ID: DWR_MA001 39.525361 ° 3: 121.693626 ° -12	9.525361 ° 167 1.693626 °
156 5.4	0 5.40	Supplemental	DWR UCIP Field Study	WS M En	Inspector Comments: FS_ID:5692 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection on due to dense vegetation. Need photos of during next inspection. Metal plate bolte closure on WS, open on LS. FIELD_STRUCT_DESC: 6-inch steel pi levee, 1.6 feet below the crown. Plate b waterward end. Open on the landward of 1962) This entry matches the Drainage	of clear slo ed on pipe pe throug olted on the end. (USA or Irrigati	LS slope opes for the he		9.525361 ° 168

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

Structure referenced in O&M manual (HLM 5.41).

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

DWR ID: DWR_MA0013_02_f _ 2013_168

FS Date: 4/24/2012 10:46:00 AM

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

				W	aterway		Bank	Unit Miles	Inspection Start/End	Inspec	tor
				Unit No. 02	Cheroke	e Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffe	
무	Levee Start	Mile End	Category	Item	Rating ** + Location *	Action/Comment			GPS Latitude/L	ongitude End	Issue No. Photo
157	5.85	5.85	Supplemental	DWR UCIP Field Study	WS M En	Inspector Comments: FS_ID:3452 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Slide gate missing on side.Take new pictures of site once vege cleared around features. FIELD_STRUCT_DESC: 36-inch corrug through the levee, 9.2 feet below the cro the waterward end. Slide gate on the lar Concrete "U" headwalls on both ends (U entry matches the Drainage or Irrigation referenced in O&M manual (HLM 5.85). FS Date: 4/24/2012 10:51:00 AM	etation is ated meta own. Flap ndward er JSACE-19	al pipe gate on id. 960) This	39.523380 ° 3 121.701265 ° -12		169
158	5.85	5.85	Supplemental	DWR UCIP Field Study	WS M En	Inspector Comments: FS_ID:3362 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Slide gate missing on side.Take new pictures of site once vege cleared around features. FIELD_STRUCT_DESC: 36-inch corrug through the levee, 9.2 feet below the cro the waterward end. Slide gate on the lar Concrete "U" headwalls on both ends (U entry matches the Drainage or Irrigation referenced in O&M manual (HLM 5.85). FS Date: 4/24/2012 10:51:50 AM	etation is ated meta own. Flap ndward er JSACE-19	al pipe gate on nd. 960) This	39.523380° 3 121.701265°-12	9.523380° 1.701265°	170
159	5.85	5.85	Supplemental	DWR UCIP Field Study	WS M En	Inspector Comments: FS_ID:3601 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Slide gate missing on side.Take new pictures of site once vege cleared around features. FIELD_STRUCT_DESC: 36-inch corrug through the levee, 9.2 feet below the cro the waterward end. Slide gate on the lar Concrete "U" headwalls on both ends (U entry matches the Drainage or Irrigation referenced in O&M manual (HLM 5.85).	etation is ated meta own. Flap ndward er JSACE-19	al pipe gate on nd. 960) This	39.523381 ° 3.121.701265 ° -12	9.523381 °	

FS Date: 4/24/2012 10:51:00 AM

Location LS: Land Side WS : Water Side CR : Crown Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

	Waterway							Bank	Unit Miles	Inspection Start/End	Inspector
				Unit No. 02	Cherok	(e	e Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffey
LMR No.	Levee	Mile End	Category	Item	Location	Rating	Action/Comment			GPS Latitude/L	ongitude Issue No. End Photo
160	5.85	5.85	Supplemental	DWR UCIP Field Study	WS M	in	Inspector Comments: FS_ID:4777 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Slide gate missing on inspection on WS and LS slopes due to Need photos of cleared WS & LS slopes was listed in the USACE Periodic Inspec Corp's inspect ID# USACE_CESPK_M1 for missing slide gate. FIELD_STRUCT_DESC: 36-inch corrug through the levee, 9.2 feet below the cro the waterward end. Slide gate on the lan Concrete "U" headwalls on both ends (U entry matches the Drainage or Irrigation referenced in O&M manual (HLM 5.85). FS Date: 4/24/2012 10:51:00 AM	dense ve s. This cro ction repo 3H_2011 ated meta wn. Flap dward er SACE-19	ited egetation. pssing out as _p_0017 al pipe gate on id. 960) This	39.523381° 30 121.701270°-12	9.523381 ° 172 1.701270 °
161	5.85	5.85	Supplemental	DWR UCIP Field Study	WS M	'n	Inspector Comments: FS_ID:4210 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Slide gate missing on inspection on WS and LS slopes due to Take new pictures of site once vegetatic around features. This crossing was lister Periodic Inspection report (Corp's inspect USACE_CESPK_M13H_2011_p_0017 ft gate. FIELD_STRUCT_DESC: 36-inch corrug through the levee, 9.2 feet below the cro the waterward end. Slide gate on the lan Concrete "U" headwalls on both ends (U entry matches the Drainage or Irrigation referenced in O&M manual (HLM 5.85). FS Date: 4/24/2012 10:51:00 AM	dense ver on is clear d in the U ct ID# for missin ated meta wn. Flap dward er SACE-19	ited egetation. red ISACE g slide al pipe gate on id. 960) This	DWR ID: DWR_MA001 39.523381 ° 38 121.701265 ° -12	0.523381 ° 173 1.701265 °
										DWR ID: DWR_MA001	3_02_f _ 2013_173
162	5.85	5.85	Supplemental	DWR UCIP Field Study	WS M	'n	Inspector Comments: FS_ID:4209 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Slide gate missing on inspection on WS and LS slopes due to Take new pictures of site once vegetatic around features. FIELD_STRUCT_DESC: 36-inch corrug through the levee, 9.2 feet below the cro the waterward end. Slide gate on the lan Concrete "U" headwalls on both ends (U entry matches the Drainage or Irrigation referenced in O&M manual (HLM 5.85). FS Date: 4/24/2012 10:51:00 AM	dense ve in is clear ated meta wn. Flap idward er ISACE-19	ted egetation. red al pipe gate on ad. 960) This	39.523381 ° 39.12.701265 ° -12.	

* Location
LS: Land Side
WS: Water Side
CR: Crown

* Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Mainter

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

			Wate	erway	/		Bank	Unit Miles	Inspection Start/End	Inspector
		Unit	No. 02 C	herc	ke	e Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffey
Levee	e Mile Catego	ory I	Item	Location	Rating	Action/Comment			GPS Latitude/L	Longitude Issue No. End Photo
163 5.85	5.85 Supplem	ental DWR I		WS	M En	Inspector Comments: FS_ID:15573 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Slide gate missing on inspection on WS and LS slopes due to Need photos of cleared WS & LS slopes was listed in the USACE Periodic Inspec Corp's inspect ID# USACE_CESPK_M1 for missing slide gate.7/9/2013 Same a FIELD_STRUCT_DESC: 36-inch corrug through the levee, 9.2 feet below the cro the waterward end. Slide gate on the lan Concrete "U" headwalls on both ends (U entry matches the Drainage or Irrigation referenced in O&M manual (HLM 5.85). FS Date: 7/11/2013 7:42:02 AM	dense verse	ited getation. pssing int as _p_0017 pection. al pipe gate on id. 960) This	39.523381 ° 3.121.701270 ° -12	
164 5.85	5.85 Supplem	ental DWR I Field S		ws	M En	Inspector Comments: FS_ID:5544 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Slide gate missing on inspection on WS and LS slopes due to Need photos of cleared WS & LS slopes was listed in the USACE Periodic Inspec Corp's inspect ID# USACE_CESPK_M1 for missing slide gate. FIELD_STRUCT_DESC: 36-inch corrug through the levee, 9.2 feet below the cro the waterward end. Slide gate on the lan Concrete "U" headwalls on both ends (U entry matches the Drainage or Irrigation referenced in O&M manual (HLM 5.85). FS Date: 4/24/2012 10:51:00 AM	dense ve s. This cre- ction repo 3H_2011 ated met own. Flap idward er ISACE-19	ited getation. pssing int as _p_0017 al pipe gate on id. 960) This		9.523381 ° 176 1.701270 °
165 5.85	5.85 Supplen	ental DWR I Field S		WS	M En	Inspector Comments: FS_ID:5601 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Slide gate missing on inspection on WS and LS slopes due to Need photos of cleared WS & LS slopes was listed in the USACE Periodic Inspec Corp's inspect ID# USACE_CESPK_M1 for missing slide gate. FIELD_STRUCT_DESC: 36-inch corrug through the levee, 9.2 feet below the cro the waterward end. Slide gate on the lan Concrete "U" headwalls on both ends (U entry matches the Drainage or Irrigation referenced in O&M manual (HLM 5.85).	dense versetion reportation re	ited getation. pssing rt as _p_0017 al pipe gate on id. 960) This	39.523381° 3 121.701270°-12	9.523381 ° 177 1.701270 °

DWR ID: DWR_MA0013_02_f _ 2013_177 * Rating Location + Issue Type

FS Date: 4/24/2012 10:51:00 AM

WS : Water Side CR : Crown Thursday, December 12, 2013 15:04

LS: Land Side

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

			Wa	aterway		Bank	Unit Miles	Inspection Start/End	Inspector
			Unit No. 02	Cherok	ee Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffey
Le Sta	evee Mile	Category	Item	** + Location	Action/Comment			GPS Latitude/L	Longitude Issue No. End Photo
166 5.	.86 5.86	Supplementa	DWR UCIP Field Study	WS M En	Inspector Comments: FS_ID:4211 EP_NO: 13170 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection on slopes due to dense vegetation. Take n vegetation has been cleared from slope FIELD_STRUCT_DESC: 36 inch corrug through the levee approximately 7 feet I gate is located on the waterward side. (FS Date: 4/24/2012 10:59:00 AM	ew pictures. gated metables pelow crow	LS es once al pipe wn. Flap	39.523370 ° 3: 121.701330 ° -12	
167 5.	.86 5.86	Supplementa	DWR UCIP Field Study	WS M En		gated meta	ation has al pipe wn. Flap	39.523370° 3: 121.701330° -12	
168 5.	.86 5.86	Supplementa	DWR UCIP Field Study	WS M En	Inspector Comments: FS_ID:5693 EP_NO: 13170 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection on slopes due to dense vegetation. Need pws & LS slopes. This crossing was list Periodic Inspection report as Corp's ins	hotos of o	LS cleared		9.523370 ° 180

* Location
LS: Land Side
WS: Water Side
CR: Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type
Ma: Mainter

USACE_CESPK_M13H_2011_p_0058 for high water

FIELD_STRUCT_DESC: 36 inch corrugated metal pipe through the levee approximately 7 feet below crown. Flap gate is located on the waterward side. (13170-1981)

unable to see crossing.

FS Date: 4/24/2012 10:59:00 AM

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Flood Control Project Maintenance Levee Inspections

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

		Wa	aterway		Bank	Unit Miles	Inspection Start/End	Inspect	or
		Unit No. 02	Cheroke	ee Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffey	/
Levee Mile Start End	Category	Item	Rating ** + Location *	Action/Comment			GPS Latitude/I	Lorigitude	Issue No. Photo
169 5.86 5.86	Supplementa	DWR UCIP Field Study	WS M En	Inspector Comments: FS_ID:15574 EP_NO: 13170 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection on slopes due to dense vegetation. Need p WS & LS slopes. This crossing was liste Periodic Inspection report as Corp's insp USACE_CESPK_M13H_2011_p_0058 f unable to see crossing.7/9/2013 Same inspection. FIELD_STRUCT_DESC: 36 inch corrug through the levee approximately 7 feet b gate is located on the waterward side. (1 FS Date: 7/11/2013 7:43:14 AM	hotos of ofed in the locat ID# for high was last ated metalelow crow	LS cleared JSACE vater al pipe wn. Flap	.121.701330° -12		181
170 5.86 5.86	5 Supplementa	DWR UCIP Field Study	WS M En	Inspector Comments: FS_ID:4227 EP_NO: 13170 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection on slopes due to dense vegetation. Take no vegetation has been cleared from slopes was listed in the USACE Periodic Inspect Corp's inspect ID# USACE_CESPK_M1 for WS not visible. FIELD_STRUCT_DESC: 36 inch corrug through the levee approximately 7 feet b gate is located on the waterward side. (1) FS Date: 4/24/2012 10:59:00 AM	ew pictures. This creation reports 3H_2011 ated metalelements.	LS es once ossing ort as _p_0058 al pipe wn. Flap	DWR ID: DWR_MA00 39.523370 ° 3 121.701330 ° -12	9.523370 ° 1.701330 °	182
171 5.86 5.86	Supplementa	DWR UCIP Field Study	WS M En	Inspector Comments: FS_ID:4778 EP_NO: 13170 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection on slopes due to dense vegetation. Need p WS & LS slopes. This crossing was liste Periodic Inspection report as Corp's insp USACE_CESPK_M13H_2011_p_0058 funable to see crossing. FIELD_STRUCT_DESC: 36 inch corrug through the levee approximately 7 feet b gate is located on the waterward side. (1) FS Date: 4/24/2012 10:59:00 AM	hotos of ored in the local ID# for high wated metalogical controls.	LS cleared JSACE vater al pipe wn. Flap	39.523370 ° 3.121.701330 ° -12		

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Unit No. 02 Cherokee Canal Left 23.10 1031/2013 Bob Duffey Start End Start End Property	Waterway	Bank Unit Mile			Inspection Start/End	Inspec	tor
172 5.86 5.86 Supplemental DWR UCIP Field Study Supplemental DWR UCIP Field Study Supplemental DWR UCIP Field Study Field	Unit No. 02 Cherokee	Canal	23.10				
Field Study Field	Levee Mile Category Item Total Ration Ration	Action/Comment					No.
173 6.12 6.12 Supplemental DWR UCIP Field Study	Field Study En E	EP_NO: 13170 Repair Type: Non-Urgent Crossing Status: Found JCIP Comments: Limited inspection on slopes due to dense vegetation. Take new regetation has been cleared from slopes FIELD_STRUCT_DESC: 36 inch corrugation has levee approximately 7 feet begate is located on the waterward side. (1)	ew picture s. ated meta elow crow	LS es once al pipe wn. Flap			184
Field Study En EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection on WS slope due to dense vegetation. Need photos of WS slope when cleared. Unable to find WS daylight point. FIELD_STRUCT_DESC: 1 of 3: Western Canal siphon crosses the channel. 8-foot by 10-foot concrete conduits through the levee. Top of concrete conduit 4 feet below the crown. Catwalk and guardrails around headwall (USACE-1960). Debris catchment line located at the wings of the headwall. This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 6.13). FS Date: 4/24/2012 11:06:00 AM DWRID: DWR_MA0013_02_f_2013_165 WS M Inspector Comments: FS_ID:4779 Field Study FS Date: 4/24/2012 11:06:00 AM WS M Inspector Conduits WS M Inspector Comments WS M Inspector Comments WS M					DWR ID: DWR_MA001	3_02_f _ 2013_	184
174 6.12 Supplemental DWR UCIP Field Study	Field Study En E	EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found JCIP Comments: Limited inspection on the sevent and t	ope whe t. n Canal s pncrete c uit 4 feet d headw cated at es the Dra	e due to n siphon onduits below all the ainage or			185
Field Study En EP_NO: N/A -121.706010 ° -121.706010 ° Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection on WS slope due to dense vegetation. Need photos of WS slope when cleared. Unable to find WS daylight point. FIELD_STRUCT_DESC: 1 of 3: Western Canal siphon crosses the channel. 8-foot by 10-foot concrete conduits through the levee. Top of concrete conduit 4 feet below the crown. Catwalk and guardrails around headwall (USACE-1960). Debris catchment line located at the wings of the headwall. This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 6.13). FS Date: 4/24/2012 11:06:00 AM					DWR ID: DWR_MA001	3_02_f _ 2013_	185
	Field Study En E	EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found JCIP Comments: Limited inspection on the several dense vegetation. Need photos of WS slockeared. Unable to find WS daylight point FIELD_STRUCT_DESC: 1 of 3: Westerr crosses the channel. 8-foot by 10-foot cothrough the levee. Top of concrete conduthe crown. Catwalk and guardrails around (USACE-1960). Debris catchment line lowings of the headwall. This entry matcher of the service of the service of the service of the headwall. This entry matcher of the service of the ser	ope whe t. n Canal s pncrete c uit 4 feet d headw cated at es the Dra	e due to n siphon onduits below all the ainage or		1.706010°	

Bank Unit Miles Inspection Inspector

Flood Control Project Maintenance Levee Inspections

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

W		Bank	Unit Miles	Inspection Start/End	Inspector	
Unit No. 02	Cheroke	e Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffey
Levee Mile Category Item	Rating ** + Location	Action/Comment			GPS Latitude/	No.
Start End Category Remi	WS M En	Inspector Comments: FS_ID:15575 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection on dense vegetation. Need photos of WS st cleared. Unable to find WS daylight poin Same as last inspection. FIELD_STRUCT_DESC: 1 of 3: Western crosses the channel. 8-foot by 10-foot of through the levee. Top of concrete condithe crown. Catwalk and guardrails aroun (USACE-1960). Debris catchment line lowings of the headwall. This entry matches Irrigation Structure referenced in O&M m FS Date: 7/11/2013 7:44:35 AM	ope whe t.7/9/201 n Canal s oncrete c uit 4 feet d headw cated at es the Dr	e due to n 3 siphon onduits below all the ainage or	39.522513 ° 3.121.706010 ° -12	End Photo 9.522513 ° 187 1.706010 °
		10 Bate. 1/11/2010 1:44:30 AW			DWR ID: DWR_MA00	13_02_f _ 2013_187
176 6.12 6.12 Supplemental DWR UCIP Field Study	WS M En	Inspector Comments: FS_ID:4213 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection on dense vegetation. Need photos of WS si FIELD_STRUCT_DESC: 1 of 3: Western crosses the channel. 8-foot by 10-foot of through the levee. Top of concrete condit the crown. Catwalk and guardrails aroun (USACE-1960). Debris catchment line low ings of the headwall. All conduits are of matches the Drainage or Irrigation Struct O&M manual (HLM 6.13). FS Date: 4/24/2012 11:06:00 AM	lope when Canal soncrete count 4 feet d headworder at pen. This	e due to n cleared. siphon onduits below all the s entry	39.522513 ° 3.121.706006 ° -12	
177 6.12 6.12 Supplemental DWR UCIP Field Study	WS M En	Inspector Comments: FS_ID:15576 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection on dense vegetation. Need photo of WS slo Unable to find WS outlet.7/9/2013 Saminspection. FIELD_STRUCT_DESC: 2 of 3: Wester crosses the channel. 8-foot by 10-foot of through the levee. Top of concrete condithe crown. Catwalk and guardrails aroun (USACE-1960). Debris catchment line lo wings of the headwall. All conduits are o matches the Drainage or Irrigation Struct 0&M manual (HLM 6.13). FS Date: 7/11/2013 7:45:54 AM	pe when e as last n Canal s pncrete c uit 4 feet d headw cated at pen. This	e due to cleared. siphon onduits below all the sentry	39.522488° 3.121.706030° -12	9.522488 ° 189 11.706030 °
					DWR ID: DWR_MA00	13_02_f _ 2013_189

* Location LS : Land Side WS : Water Side CR : Crown ** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Mainter

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

		Wa	aterway		Bank	Unit Miles	Inspection Start/End	Inspec	ctor
		Unit No. 02 (Cheroke	e Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffe	
Levee	End Category	Item	Rating ** + Location *	Action/Comment			GPS Latitude	Longitude End	Issue No. Photo
178 6.12	6.12 Supplementa	DWR UCIP Field Study	WS M En	Inspector Comments: FS_ID:4780 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection on dense vegetation. Need photo of WS slo Unable to find WS outlet. FIELD_STRUCT_DESC: 2 of 3: Westerr crosses the channel. 8-foot by 10-foot of through the levee. Top of concrete condithe crown. Catwalk and guardrails aroun (USACE-1960). Debris catchment line lo wings of the headwall. All conduits are o matches the Drainage or Irrigation Struct O&M manual (HLM 6.13). FS Date: 4/24/2012 11:11:00 AM	pe when n Canal soncrete couit 4 feet d headwocated at pen. This	e due to cleared. siphon onduits below all the	39.522488 ° .121.706030 °1		
179 6.12	6.12 Supplementa	DWR UCIP Field Study	WS M En	Inspector Comments: FS_ID:4214 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection on dense vegetation. Need photo of WS slo FIELD_STRUCT_DESC: 2 of 3: Wester crosses the channel. 8-foot by 10-foot co through the levee. Top of concrete condi the crown. Catwalk and guardrails aroun (USACE-1960). Debris catchment line lo wings of the headwall. All conduits are o matches the Drainage or Irrigation Struct O&M manual (HLM 6.13). FS Date: 4/24/2012 11:11:00 AM	pe when on Canal soncrete count 4 feet d headworder at pen. This	e due to cleared. siphon onduits below all the s entry	.121.706025° -1		
180 6.12	6.12 Supplementa	I DWR UCIP Field Study	WS M En	Inspector Comments: FS_ID:5695 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection on dense vegetation. Need photo of WS slo Unable to find WS outlet. FIELD_STRUCT_DESC: 2 of 3: Wester crosses the channel. 8-foot by 10-foot co through the levee. Top of concrete condi the crown. Catwalk and guardrails aroun (USACE-1960). Debris catchment line lo wings of the headwall. All conduits are o matches the Drainage or Irrigation Struct O&M manual (HLM 6.13). FS Date: 4/24/2012 11:11:00 AM	ope when on Canal so oncrete couit 4 feet d headwo ocated at pen. This	e due to cleared. siphon onduits below all the	DWR ID: DWR_MAG	39.522488 ° 21.706030 °	192

Flood Control Project Maintenance Levee Inspections

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterwa	/	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Chero	okee Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffey
Levee Mile Category Itom		,		GPS Latitude/I	_ongitude Issue No.
Levee Mile No. Start End Category Item	Action/0	Comment		Start	End Photo
181 6.13 6.13 Supplemental DWR UCIP WS Field Study	M Inspector Comments: FS_ID: EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited ins dense vegetation. Need phote Unable to find WS outlet. FIELD_STRUCT_DESC: 3 of crosses the channel. 8-foot b through the levee. Top of con the crown. Catwalk and guara (USACE-1960). Debris catch wings of the headwall. All cor matches the Drainage or Irrig O&M manual (HLM 6.13). FS Date: 4/24/2012 11:16:00	pection on WS slop of WS slope wher 3: Western Canal of 10-foot concrete of crete conduit 4 feet rails around headw nent line located at duits are open. Thi ation Structure refe	ne due to n cleared. siphon conduits below rall the s entry	121.706030 ° -12	
182 6.13 6.13 Supplemental DWR UCIP Field Study	M Inspector Comments: FS_ID: En EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited ins dense vegetation. Need phote Unable to find WS outlet. FIELD_STRUCT_DESC: 3 of crosses the channel. 8-foot b through the levee. Top of con the crown. Catwalk and guard (USACE-1960). Debris catchi wings of the headwall. All cor matches the Drainage or Irrig O&M manual (HLM 6.13). FS Date: 4/24/2012 11:16:00	pection on WS slope of WS slope wher 3: Western Canal of 10-foot concrete of conduit 4 feet rails around headwhent line located at duits are open. This ation Structure reference of WS slope with the conduction of the conduction	e due to a cleared. siphon conduits below rall the sentry	DWR ID: DWR_MA00 39.522457 ° 3 121.706030 ° -12	9.522457° 194
	1 0 Bato. 1/2 1/2012 11:10:00			DWR ID: DWR_MA00	13_02_f _ 2013_194
183 6.13 6.13 Supplemental DWR UCIP WS Field Study	M Inspector Comments: FS_ID: EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited ins dense vegetation. Need phote FIELD_STRUCT_DESC: 3 of crosses the channel. 8-foot b through the levee. Top of con the crown. Catwalk and guard (USACE-1960). Debris catchi wings of the headwall. All cor matches the Drainage or Irrig O&M manual (HLM 6.13). FS Date: 4/24/2012 11:16:00	pection on WS slop of WS slope wher 3: Western Canal of 10-foot concrete of reite conduit 4 feet rails around headw nent line located at duits are open. Thi ation Structure refe	ne due to n cleared. siphon conduits below rall the s entry	39.522457° 3	9.522457° 195 1.706033°
				DWR ID: DWR_MA00	13_02_f _ 2013_195

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

				Wa	terwa	ay		Bank	Unit Miles	Inspection Start/End	Inspec	ctor
				Unit No. 02 (Cher	oke	e Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffe	
LMR	Levee	Mile	0.1	.,	Loca	Rat	A 11 10			GPS Latitude/	Longitude	Issue No.
No.	Start	End	Category	Item	Location *	Rating ** +	Action/Comment			Start	End	Photo
184	6.13	6.13	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:15577 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection on dense vegetation. Need photo of WS slo Unable to find WS outlet.7/9/2013 Same inspection. FIELD_STRUCT_DESC: 3 of 3: Westerr crosses the channel. 8-foot by 10-foot of through the levee. Top of concrete condutte crown. Catwalk and guardrails aroun (USACE-1960). Debris catchment line lowings of the headwall. All conduits are of matches the Drainage or Irrigation Struct O&M manual (HLM 6.13). FS Date: 7/11/2013 7:48:01 AM	pe when e as last on Canal so oncrete couit 4 feet do headward at the pen. This	e due to cleared. iphon onduits below all the entry	39.522457 ° (; :121.706030 ° -12		
185	6.23	7.62	Earthen Levee	Encroachments	LS	M En	DT : Ditch		-	39.520843 ° (-121.706345 ° -12		Υ
186	6.75	6.75	Earthen Levee	Vegetation	LS	A Ma	V1 : Control annual grass and weeds on and easements.	the levee		39.514048 ° 3 121.710036 ° -12		Υ
187	7.24	7.24	Supplemental	DWR UCIP Field Study	LS		Inspector Comments: FS_ID:15579 EP_NO: 5200B Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: No photo available of possible take photo of WS headwall.7/9/last inspection. FIELD_STRUCT_DESC: 8 of 10 items li Order 5200, 5200A, 5200B: 6-foot by 6-f double box culvert (Box 1 of 2) through the feet below the crown. Concrete headwall Slide gate on the waterward side. (Permit FS Date: 7/11/2013 7:52:27 AM	2013 Sa sted unde oot reinfo he levee, s on both	wall. If me as er Board erced 17.1 ends.	39.507705 ° ° ; -121.713810 ° -12	21.713810°	
188	7.24	7.24	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:5697 EP_NO: 5200B Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: No photo available of 1 possible take photo of WS headwall. FIELD_STRUCT_DESC: 8 of 10 items li Order 5200, 5200A, 5200B: 6-foot by 6-f double box culvert (Box 1 of 2) through the total point of the second state of the s	sted unde oot reinfo ne levee, s on both	wall. If er Board orced 17.1 o ends.		89.507705 ° 21.713810 °	198

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

			Waterw	ay		Bank	Unit Miles	Inspection Start/End	Inspec	tor
		Unit No.	02 Che	roke	ee Canal Left 23.10			10/31/2013 10/31/2013	Bob Duffe	
Levee Mi	Category	Item	Location *	Rating	Action/Comment			GPS Latitude/	Longitude End	Issue No. Photo
189 7.24 7.	24 Supplementa	DWR UCIP Field Study	LS	En	Inspector Comments: FS_ID:4800 EP_NO: 5200B Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: No photo available of possible take photo of WS headwall. FIELD_STRUCT_DESC: 8 of 10 items I Order 5200, 5200A, 5200B: 6-foot by 6-double box culvert (Box 1 of 2) through the feet below the crown. Concrete headwall Slide gate on the waterward side. (Perm FS Date: 4/24/2012 11:23:00 AM	isted und foot reinfo he levee, Is on botl	dwall. If er Board orced , 17.1 h ends.	39.507705 ° (; .121.713810 ° -12		199 Y
190 7.25 7.	25 Supplementa	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:5698 EP_NO: 5200B Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: No photo available of possible take photo of WS headwall. FIELD_STRUCT_DESC: 9 of 10 items I Order 5200, 5200A, 5200B: 6-foot by 6-double box culvert (box 2 of 2) through t below the crown. Concrete headwalls or gate on the waterward side. (Permit No. FS Date: 4/24/2012 11:25:00 AM	isted und foot reinfo he levee, n both end	dwall. If er Board orced 17.1 feet ds. Slide	39.507683 ° (3.121.713820 ° -12		
191 7.25 7.	25 Supplementa	DWR UCIP Field Study	LS	En	Inspector Comments: FS_ID:15583 EP_NO: 5200B Repair Type: Urgent Crossing Status: Found UCIP Comments: No photo available of possible take photo of WS headwall.7/9 seeping from the concrete lined ditch on levee ramp and exiting on the south side feet above water level on south side ditch has occured to ramp. Talked to levee in problem and he was going to investigate irrigation district about problem. FIELD_STRUCT_DESC: 9 of 10 items I Order 5200, 5200A, 5200B: 6-foot by 6-f double box culvert (box 2 of 2) through the below the crown. Concrete headwalls or gate on the waterward side. (Permit No. FS Date: 7/11/2013 7:59:40 AM	/2013 What the north end of ramp the Minor aspection end consisted und foot reinfold he levee, a both end	dwall. If ater is a side of about 4 erosion about tact er Board orced 17.1 feet ds. Slide	39.507683 ° (121.713820 ° -12	39.507683 ° 21.713820 °	201
								DWR ID: DWR_MA00	13_02_f _ 2013_	201

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

	Wa	aterway		Bank	Unit Miles	Inspection Start/End	Inspector
	Unit No. 02	Cheroke	ee Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffey
Levee Mile Start End Category	Item	Rating ** + Location *	Action/Comment			GPS Latitude/L	ongitude Issue No. End Photo
192 7.25 7.25 Supplemental	DWR UCIP Field Study	LS U En	Inspector Comments: FS_ID:15580 EP_NO: 5200B Repair Type: Urgent Crossing Status: Found UCIP Comments: No photo available of possible take photo of WS headwall.7/9 seeping from the concrete lined ditch on levee ramp and exiting on the south side feet above water level on south side ditch has occured to ramp. Talked to levee in problem and he was going to investigate irrigation district about problem. FIELD_STRUCT_DESC: 9 of 10 items I Order 5200, 5200A, 5200B: 6-foot by 6-double box culvert (box 2 of 2) through the below the crown. Concrete headwalls or gate on the waterward side. (Permit No. FS Date: 7/11/2013 7:54:42 AM	/2013 With the north e of ramp th. Minor aspection e and confisted und foot reinfohe levee, a both end	dwall. If ater is a side of about 4 erosion about tact er Board orced 17.1 feet ds. Slide	39.507683 ° 39.5121.713820 ° -12	
193 7.25 7.25 Supplemental	DWR UCIP Field Study	LS M En	Inspector Comments: FS_ID:4801 EP_NO: 5200B Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: No photo available of possible take photo of WS headwall. FIELD_STRUCT_DESC: 9 of 10 items I Order 5200, 5200A, 5200B: 6-foot by 6-i double box culvert (box 2 of 2) through t below the crown. Concrete headwalls or gate on the waterward side. (Permit No. FS Date: 4/24/2012 11:25:00 AM	isted und foot reinfo he levee, n both end	dwall. If er Board orced 17.1 feet ds. Slide	39.507683 ° 39.5121.713820 ° -12	1.713820°
194 7.25 7.25 Supplemental	DWR UCIP Field Study	LS M En	Inspector Comments: FS_ID:4220 EP_NO: 5200B Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: Not found - Need to v signs of structure during next inspection cleared. If not will need to coordinate wit regarding the fate of this structure. FIELD_STRUCT_DESC: 10 of 10 items Board Order 5200, 5200A, 5200B: 36 in metal spill pipe through the levee embar depth. (Board Order No. 5200B-1967) FS Date: 4/24/2012 11:27:00 AM	when slo th applica listed un ch corrug	ere any opes are int der jated	DWR ID: DWR_MA001 39.507570 ° 38 -121.713870 ° -12	9.507570° 204 1.713870°

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank Unit Miles Inspection Start/End Inspector
Unit No. 02 Cherokee Canal	Left 23.10 10/31/2013 Bob Duffey
Levee Mile Start End Category Item ** Table 1. Start End Category	$\frac{\text{GPS Latitude/Longitude}}{\text{Start}} \stackrel{\text{Issue}}{\text{End}} \stackrel{\text{Issue}}{\text{Photo}}$
any signs of the structure slopes are cleared. If not applicant regarding the fa Same as last inspection. FIELD_STRUCT_DESC: Board Order 5200, 5200A	-121.713870 ° -121.713870 ° Ind Ind - Need to verify if there are during next inspection when will need to coordinate with ste of this structure.7/9/2013 Unable to locate. 10 of 10 items listed under A, 5200B: 36 inch corrugated he levee embankment, unknown 5200B-1967) 44 AM
any signs of the structure slopes are cleared. If not applicant regarding the fa FIELD_STRUCT_DESC: Board Order 5200, 5200A	-121.713870 ° -121.713870 ° Ind Ind - Need to verify if there are during next inspection when will need to coordinate with title of this structure. 10 of 10 items listed under A, 5200B: 36 inch corrugated the levee embankment, unknown 5200B-1967)
signs of structure during r cleared. If not will need to regarding the fate of this FIELD_STRUCT_DESC: Board Order 5200, 5200A	JD:4219 39.507570 ° 39.507570 ° 207 -121.713870 ° -121.713870 ° and Ind Ind Ind Ind Ind Ind Ind

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

				Wa	terwa	ay		Bank	Unit Miles	Inspection Start/End	Inspec	ctor
				Unit No. 02 C	Cher	oke	e Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffe	
LMR I	Levee	Mile	Category	Item	Location *	Rating	Action/Comment	GPS Latitude/	Longitude	Issue No.		
No.	Start	End	0 ,		on	+ @				Start	End	Photo
198	7.25 7.25 Supplemental DWR UCIP LS M Inspector Comments: FS_ID:4802							39.507570 ° (121.713870 ° -12	89.507570 °	208		
							FS Date: 4/24/2012 11:27:00 AM			DWR ID: DWR_MA0013_02_f _ 2013_208		
199	99 8.38 Supplemental DWR UCIP Field Study LS M Inspector Comments: FS_ID:5700 EP_NO: 14704 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Unable to verify whether this crossing includes both communication cable lines under permit 14704 (LM 8.38) and 10589 (see LM 8.39). FIELD_STRUCT_DESC: Fiber optic cable through levee at approximately 3.5 feet. The cable section across the channel is attached to the Cherokee Canal Dridge. (Permit No. 14704-1987)						rossing ermit gh levee ss the	39.493850 ° (121.724780 ° -12	89.493850 ° 21.724780 °			
							FS Date: 4/24/2012 11:28:00 AM			DWR ID: DWR_MA00	13_02_f _ 2013_	_209
200	9.68	9.68	Supplementa	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:5701 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection on slopes due to dense vegetation. Need p LS slopes during next inspeciton with cle FIELD_STRUCT_DESC: 30 inch corrug with flapgate on the waterward side loca 11.5 feet below crown. (USACE-1962) T the Drainage or Irrigation Structure refer manual (HLM 9.68). FS Date: 4/24/2012 11:44:00 AM	hotos of vearned slated met ted appropriated	LS WS and opes. al pipe oximately matches	39.477335 ° (3.121.735340 ° -12		Y

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cherokee Canal	10/31/2013 10/31/2013	Bob Duffey		
Levee Mile Start End Category Item Start End Category Item Action/Comment	Action/Comment			
9.68 9.68 Supplemental DWR UCIP Field Study LS M En EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection on slopes due to dense vegetation. Need p LS slopes during next inspection with cle FIELD_STRUCT_DESC: 30 inch corrug with flapgate on the waterward side loca 11.5 feet below crown. (USACE-1962) T the Drainage or Irrigation Structure refer manual (HLM 9.68). FS Date: 4/24/2012 11:44:00 AM	hotos of Nearned slot lated metal lated appro This entry	LS WS and opes. al pipe oximately matches	39.477335° 3 :121.735342° -12	
9.68 9.68 Supplemental DWR UCIP Field Study LS M En EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection on slopes due to dense vegetation. Need p LS slopes during next inspection with cle slopes.7/9/2013 Same as last inspectic FIELD_STRUCT_DESC: 30 inch corrug with flapgate on the waterward side loca 11.5 feet below crown. (USACE-1962) T the Drainage or Irrigation Structure refer manual (HLM 9.68). FS Date: 7/11/2013 8:13:09 AM	hotos of Nearned on. ated metal ted appro	LS WS and al pipe oximately matches	39.477335 ° 3 -121.735340 ° -12	
9.76 9.76 Supplemental DWR UCIP Field Study LS M Inspector Comments: FS_ID:5341 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Unable to find permit encroachment. Will need to coordinate of Superintendent and DWR-Inspector, photonact information. FIELD_STRUCT_DESC: Buried fiber of the levee at depth unknown. Owner of license at depth unknown.	with LMA oto includ otic line the ne is Qwe	les utility irough est		9.476260 ° 213

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

				Wa	terwa	ay		Bank	Unit Miles	Inspection Start/End	Inspec	ctor
				Unit No. 02 C	Cher	oke	e Canal Left 23.10			10/31/2013 10/31/2013	Bob Duffe	
LMR	Levee	Mile	Catagony	Item	Location	Rating ** +	Action/Comment			GPS Latitude	e/Longitude	Issue No.
No.	Start	End	Category	item	tion	ing +	Action/Comment			Start	End	Photo
204	9.76	9.76	Supplementa	DWR UCIP Field Study	LS	U	Inspector Comments: FS_ID:5724 EP_NO: N/A Repair Type: Urgent Crossing Status: Indicator Found UCIP Comments: Unable to determine ir authorized or unauthorize encroachmen permit number for this encroachment. V coordinate with LMA Superintendent and photo includes utility contact information FIELD_STRUCT_DESC: Buried fiber op the levee at depth unknown. Owner of lic Communications 1-800 At Fiber Sign ID (Qwest Communication) FS Date: 4/24/2012	t. Unable /ill need t d DWR-Ir tic line the ne is Qwe	g is an to find o nspector, rough	39.476260 ° 121.736230 ° -	39.476260 ° 121.736230 °	
205	9.76	9.76	Supplementa	DWR UCIP Field Study	LS		Inspector Comments: FS_ID:5702 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Unable to determine ir authorized or unauthorize encroachment permit number for this encroachment. We coordinate with LMA Superintendent and photo includes utility contact information FIELD_STRUCT_DESC: Buried fiber op the levee at depth unknown. Owner of lit Communications 1-800 At Fiber Sign ID (Qwest Communication) FS Date: 4/24/2012	t. Unable /ill need t d DWR-Ir tic line the ne is Qwe	g is an to find o nspector, rough	121.736230° -	39.476260 ° 121.736230 °	215
										DWR ID: DWR_MA		
206	9.76	9.76	Supplementa	DWR UCIP Field Study	LS	U En	Inspector Comments: FS_ID:15594 EP_NO: N/A Repair Type: Urgent Crossing Status: Indicator Found UCIP Comments: Unable to determine is authorized or unauthorized encroachment permit number for this encroachment. W coordinate with LMA Superintendent and photo includes utility contact information Same as last inspection. FIELD_STRUCT_DESC: Buried fiber op the levee at depth unknown. Owner of lither to the comment of the levee at depth unknown. Owner of lither to the comment of the levee at depth unknown.	nt. Unabl /ill need t d DWR-Ir 1.7/9/2013 otic line the ne is Qwe	g is an e to find o nspector, 3 urough	39.476260 ° 121.736230 ° -	39.476260° 121.736230°	

Location LS: Land Side WS : Water Side CR : Crown Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Communications 1-800 At Fiber Sign ID Number 16601.

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

(Qwest Communication) FS Date: 7/11/2013 8:15:43 AM

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterwa	y	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Chere	okee Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffey
Levee Mile Category Item Coategory Start End Category Start End Category Start End Category C	* å å å Å Action/Comment			GPS Latitude/L	Longitude Issue No. End Photo
207 9.76 9.76 Supplemental DWR UCIP LS Field Study	M Inspector Comments: FS_ID:5340 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: No permit information FIELD_STRUCT_DESC: Buried fiber of the levee at depth unknown. Owner of li Communications 1-800 At Fiber Sign ID (Qwest Communication) FS Date: 4/24/2012	otic line th ne is Qwe	rough est	39.476260 ° 39.476260 ° -12.4736230 ° -12.473620 ° -12.47620 °	
208 9.76 9.76 Supplemental DWR UCIP LS Field Study	U Inspector Comments: FS_ID:5962 EP_NO: N/A Repair Type: Urgent Crossing Status: Indicator Found UCIP Comments: Unable to determine is authorized or unauthorized encroachment. V coordinate with LMA Superintendent an photo includes utility contact information FIELD_STRUCT_DESC: Buried fiber of the levee at depth unknown. Owner of Ii Communications 1-800 At Fiber Sign ID (Qwest Communication) FS Date: 4/24/2012	ent. Unable Vill need to d DWR-In n. otic line th ne is Qwe	is an to to find to spector, rough		9.476260° 218 1.736230°
209 9.76 9.76 Supplemental DWR UCIP LS Field Study	M Inspector Comments: FS_ID:5561 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Unable to determine is authorized or unauthorize. Unable to fin for this encroachment. Will need to cool Superintendent and DWR-Inspector, ph contact information. FIELD_STRUCT_DESC: Buried fiber of the levee at depth unknown. Owner of li Communications 1-800 At Fiber Sign ID (Qwest Communication)	d permit n rdinate wit oto includ otic line th ne is Qwe	is number th LMA es utility rough		9.476260 ° 219

FS Date: 4/24/2012

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cherokee Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffey
Levee Mile Start End Category Item ** To a start End Category			GPS Latitude/	Longitude Issue No. End Photo

210 9.78 9.78 Supplemental DWR UCIP Field Study LS U Inspector Comments: FS ID:15595

39.476140 ° 39.476140 ° 220 -121.736390 ° -121.736390 °

EP NO: N/A

Repair Type: Urgent

Crossing Status: Indicator Found UCIP Comments: Authorized/unauthorized

encroachment? Contact Chico Local Area Manager, Frank Villalovos 530.342.6140 (o) or 530.624.4048 (c) or email villalovosf@kindermorgan.com for additional info. Inquiries pertaining to inspeciton submit to pipelineinquiries@kindermorgan.com and reference as Engr Station 3173+48 plus include

coordinates.7/9/2013 Same as last inspection. FIELD_STRUCT_DESC: High pressure line through levee at depth unknown. Owner of line is Kinder Morgan contact information is 213.624-9461. (Kinder Morgan) Applicant was contacted on 7/20/12 by Olivia. I spoke with Ken Yeo, Sacramento Local Area Manager regarding this crossing and he believes its an 8 inch diameter bored line through channel. His contact info is 916.416.7938 or yeok@kindermorgan.com. For addional inquiries regarding crossing contact Frank Villalovos.

FS Date: 7/11/2013 8:16:57 AM

DWR ID: DWR_MA0013_02_f _ 2013_220 39.476140 ° 39.476140 ° 221

-121.736390 ° -121.736390 °

211 9.78 9.78 Supplemental DWR UCIP Field Study

LS U Inspector Comments: FS ID:5820

EP_NO: N/A En

Repair Type: Urgent

Crossing Status: Indicator Found UCIP Comments: Unable to determine whether authorized or unauthorize encroachment. Applicant was contacted on 7/20/12 by Olivia Magana. I spoke with Ken Yeo, Sacramento Local Area Manager, 916.416.7938, regarding this crossing and he believes its an 8 inch diameter bored line through channel. Contact Rocklin/Rosevile/Chico Local Area Manager, Frank Villalovos 530.342.6140 (o) or 530.624.4048 (c). email contact villalovosf@kindermorgan.com or yeok@kindermorgan.com. For inquiries submit to pipelineinquiries@kindermorgan.com for inspeciton of the line referenced line as Engineering Station 3173+48 plus include coordinates.

FIELD_STRUCT_DESC: High pressure line through levee at depth unknown. Owner of line is Kinder Morgan contact information is 213.624-9461. (Kinder Morgan)

FS Date: 4/24/2012

DWR ID: DWR_MA0013_02_f _ 2013_221

Location LS: Land Side WS : Water Side CR: Crown

Rating

Minimally Acceptable U: Unacceptable

N : Not Inspected/Rated Corrected : Acceptable but Monitor & Maintain A/W

+ Issue Type

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cherokee Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffey
[] M.			ODO 1 - ## - # - #	Issue

| Category | Leve Mile | Category | Item | Category | Item | Start | End | Action/Comment | Action/Comment | GPS Latitude/Longitude | Issue No. | Start | End | Photo

²¹² 9.78 9.78 Supplemental DWR UCIP Field Study LS U Inspector Comments: FS_ID:5825 En EP NO: N/A 39.476140 ° 39.476140 ° 222 -121.736390 ° -121.736390 °

Repair Type: Urgent

Crossing Status: Indicator Found

UCIP Comments: Authorize/unauthorize encroachment? Contact Rocklin/Rosevile/Chico Local Area Manager, Frank Villalovos 530.342.6140 (o) or 530.624.4048 (c) or email villalovosf@kindermorgan.com for additional info. Inquiries pertaining to inspeciton submit to pipelineinquiries@kindermorgan.com for inspeciton and reference as Engr Station 3173+48 plus include coordinates.

FIELD_STRUCT_DESC: High pressure line through levee at depth unknown. Owner of line is Kinder Morgan contact information is 213.624-9461. (Kinder Morgan) Applicant was contacted on 7/20/12 by Olivia Magana. I spoke with Ken Yeo, Sacramento Local Area Manager regarding this crossing and he believes its an 8 inch diameter bored line through channel. His contact info is 916.416.7938 or yeok@kindermorgan.com. For addional inquiries regarding crossing contact Frank Villalovos. FS Date: 4/24/2012

DWR ID: DWR_MA0013_02_f _ 2013_222 39.476140 ° 39.476140 ° 223

-121.736390 ° -121.736390 °

213 9.78 9.78 Supplemental DWR UCIP Field Study

LS U Inspector Comments: FS_ID:5826

EP_NO: N/A

Repair Type: Urgent

Crossing Status: Indicator Found

UCIP Comments: Authorize/unauthorize encroachment? Contact Chico Local Area Manager, Frank Villalovos 530.342.6140 (o) or 530.624.4048 (c) or email villalovosf@kindermorgan.com for additional info. Inquiries pertaining to inspeciton submit to pipelineinquiries@kindermorgan.com and reference as Engr Station 3173+48 plus include coordinates. FIELD_STRUCT_DESC: High pressure line through levee at depth unknown. Owner of line is Kinder Morgan contact information is 213.624-9461. (Kinder Morgan) Applicant was contacted on 7/20/12 by Olivia. I spoke with Ken Yeo, Sacramento Local Area Manager regarding this crossing and he believes its an 8 inch diameter bored line through channel. His contact info is 916.416.7938 or yeok@kindermorgan.com. For addional inquiries regarding crossing contact Frank Villalovos. FS Date: 4/24/2012

DWR ID: DWR_MA0013_02_f _ 2013_223

* Location

LS: Land Side

WS: Water Side

CR: Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected /W : Acceptable but Monitor & Maintain + Issue Type

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Vard Maintenance Area 0013

		Sutter Ma	ınt	en	ance Yard Maintenand	e Ar	ea 001	3		
		Wa	terwa	у		Bank	Unit Miles	Inspection Start/End	Inspec	ctor
		Unit No. 02 C	Cher	oke	e Canal	Left	23.10	10/31/2013 10/31/2013		
E Levee Mi	e Category	Item	Location	Rating ** +	Action/Comment			GPS Latitud	e/Longitude	Issue No.
Start Er	d Catogory	no	on .	+ bu	, total in Commont			Start	End	Photo
214 9.78 9.	78 Supplementa	DWR UCIP Field Study	LS	UEn	Inspector Comments: FS_ID:5822 EP_NO: N/A Repair Type: Urgent Crossing Status: Indicator Found UCIP Comments: Unable to determine v or unauthorize encroachment. Contact Rocklin/Rosevile/Chico Local Area Mana Villalovos 530.342.6140 (o) or 530.624.4 villalovosf@kindermorgan.com or yeok@kindermorgan.com for additional is submit to pipelineinquiries@kindermorga inspeciton of the line referenced line as Station 3173+48 plus include coordinate FIELD_STRUCT_DESC: High pressure at depth unknown. Owner of line is Kinde information is 213.624-9461. (Kinder Mo was contacted on 7/20/12 by Olivia Mag. Ken Yeo, Sacramento Local Area Mana, 916.416.7938, regarding this crossing ar an 8 inch diameter bored line through ch FS Date: 4/24/2012	ager, France 1948 (c) of the common formal c	uthorized nk or email inquiries or ing gh levee n contact oplicant oke with	39.476140 ° .121.736390 ° -		
215 9.78 9.	78 Supplementa	DWR UCIP Field Study	LS	U En	Inspector Comments: FS_ID:5824 EP_NO: N/A Repair Type: Urgent Crossing Status: Indicator Found UCIP Comments: Unknown if authorized encroachment. Contact Rocklin/Rosevile Area Manager, Frank Villalovos 530.342 530.624.4048 (c) or email villalovosf@ki for additional info. Inquiries pertaining to to pipelineinquiries@kindermorgan.com	e/Chico L .6140 (o) ndermorg inspecito	thorize ocal or gan.com on submit	39.476140°. .121.736390°-	39.476140 °	225

reference as Engr Station 3173+48 plus include coordinates.

FIELD_STRUCT_DESC: High pressure line through levee at depth unknown. Owner of line is Kinder Morgan contact information is 213.624-9461. (Kinder Morgan) Applicant was contacted on 7/20/12 by Olivia Magana. I spoke with Ken Yeo, Sacramento Local Area Manager regarding this crossing and he believes its an 8 inch diameter bored line through channel. His contact info is 916.416.7938 or yeok@kindermorgan.com. For addional inquiries regarding crossing contact Frank Villalovos. FS Date: 4/24/2012

DWR ID: DWR_MA0013_02_f _ 2013_225

Location LS: Land Side WS : Water Side CR : Crown Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

		Wate	erway		Bank	Unit Miles	Inspection Start/End	Inspector
	Uı	nit No. 02 Cl	herok	ee Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffey
Levee Mile Start End	Category	Item	** + Location	Action/Comment			GPS Latitude/L	Longitude Issue No. End Photo
216 9.78 9.78	Supplemental DW Fie	VR UCIP eld Study	LS U	Inspector Comments: FS_ID:5963 EP_NO: N/A Repair Type: Urgent Crossing Status: Indicator Found UCIP Comments: Authorized/unauthori encroachment? Contact Chico Local Ar Villalovos 530.342.6140 (o) or 530.624. villalovosf@kindermorgan.com for addi Inquiries pertaining to inspeciton submi pipelineinquiries@kindermorgan.com a Engr Station 3173+48 plus include coor FIELD_STRUCT_DESC: High pressure at depth unknown. Owner of line is Kind information is 213.624-9461. (Kinder M was contacted on 7/20/12 by Olivia. I s Sacramento Local Area Manager regar and he believes its an 8 inch diameter I channel. His contact info is 916.416.79 yeok@kindermorgan.com. For addiona regarding crossing contact Frank Villalo FS Date: 4/24/2012	rea Manag 4048 (c) of tional info. t to nd referent dinates. e line throuder Morgan) organ) Ap booke with ding this of pored line 38 or I inquiries	ger, Frank or email once as ugh levee in contact oplicant Ken Yeo, crossing	39.476140 ° 3: 121.736390 ° -12	
217 9.78 9.78		VR UCIP eld Study	LS U En	Inspector Comments: FS_ID:5725 EP_NO: N/A Repair Type: Urgent Crossing Status: Indicator Found UCIP Comments: Unable to determine or unauthorize encroachment. Unable t number for this crossing. Applicant was 7/20/12 by Olivia Magana. I spoke with Area Manager phone number is 916.41 this crossing. Ken will try to find out whi issue for this crossing. FIELD_STRUCT_DESC: High pressure at depth unknown. Owner of line is Kind information is 213.624-9461. (Kinder M FS Date: 4/24/2012	o find perractors contacted Ken Yeo to 6.7938 regether a pereceible throught	uthorized mit d on the Local garding rmit was	39.476140 ° 3: 121.736390 ° -12	
218 9.78 9.78	Supplemental DW Fie	VR UCIP eld Study	LS M En	Inspector Comments: FS_ID:5562 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Unable to determine or unauthorize encroachment. Unable t number for this crossing. Need to coord applicant pertaining to permit number. FIELD_STRUCT_DESC: High pressure at depth unknown. Owner of line is Kind information is 213.624-9461. (Kinder M FS Date: 4/24/2012	o find perr dinate with e line throu der Morgai	uthorized nit ugh levee		9.476140 ° 228 1.736390 °

* Location
LS: Land Side
WS: Water Side
CR: Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Mainter

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

		Inspection Start/End	Inspector								
				Unit No. 02 (Cher	oke	e Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffey
LMR No.	Levee	e Mile End	Category	Item	Location *	Rating	Action/Comment			GPS Latitude/L	ongitude Issue No. End Photo
219	9.78	9.78	Supplementa	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:5345 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Unable to find permit in Need to coordinate with applicant pertain number. FIELD_STRUCT_DESC: High pressure at depth unknown. Owner of line is Kindinformation is 213.624-9461. (Kinder Motes) FS Date: 4/24/2012	ning to pe line throu er Morgar	ossing. ermit gh levee	39.476140 ° 3: -121.736390 ° -12	
220	9.78	9.78	Supplementa	DWR UCIP Field Study	LS		Inspector Comments: FS_ID:5342 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: FIELD_STRUCT_DESC: High pressure at depth unknown. Owner of line is Kinde information is 213.624-9461. (Kinder Mo FS Date: 4/24/2012	er Morgar	gh levee	39.476140 ° 39.476140 ° -121.736390 ° -12	1.736390°
221	9.78	9.78	Supplementa	DWR UCIP Field Study	LS	U	Inspector Comments: FS_ID:5823 EP_NO: N/A Repair Type: Urgent Crossing Status: Indicator Found UCIP Comments: Unable to determine v or unauthorize encroachment. Contact Rocklin/Rosevile/Chico Local Area Mana Villalovos 530.342.6140 (o) or 530.624.4 villalovosf@kindermorgan.com for additi Inquiries pertaining to inspeciton submit pipelineinquiries@kindermorgan.com for reference as Engineering Station 3173+c coordinates. FIELD_STRUCT_DESC: High pressure at depth unknown. Owner of line is Kinde information is 213.624-9461. (Kinder Mo was contacted on 7/20/12 by Olivia Mag Ken Yeo, Sacramento Local Area Mana- crossing and he believes its an 8 inch di through channel. His contact info is 916. yeok@kindermorgan.com FS Date: 4/24/2012	ager, Fran 1048 (c) conal info. to r inspecite 48 plus in line throuer Morgan organ) Apana. I spo ger regan ameter bo	uthorized nk or email on and clude gh levee or contact plicant bke with ding this ored line	39.476140° 3: -121.736390° -12	9.476140 ° 231 1.736390 °

Location LS: Land Side WS : Water Side CR : Crown Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Flood Control Project Maintenance Levee Inspections

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Wa	terway		Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 C	Cheroke	ee Canal	23.10	10/31/2013 10/31/2013	Bob Duffey	
Levee Mile Start End Category Item	Rating ** + Location *	Action/Comment			GPS Latitude/I	Longitude Issue No. End Photo
222 9.78 9.78 Supplemental DWR UCIP Field Study	LS U En	Inspector Comments: FS_ID:5821 EP_NO: N/A Repair Type: Urgent Crossing Status: Indicator Found UCIP Comments: Unable to determine vor unauthorize encroachment. See Descadditional information FIELD_STRUCT_DESC: High pressure at depth unknown. Owner of line is Kindinformation is 213.624-9461. (Kinder Mowas contacted on 7/20/12 by Olivia Mag Ken Yeo, Sacramento Local Area Mana 916.416.7938, regarding this crossing at an 8 inch diameter bored line through checklin/Rosevile/Chico Local Area Mana Villalovos 530.342.6140 (o) or 530.624.4 contact villalovosf@kindermorgan.com of yeok@kindermorgan.com. For inquiries pipelineinquiries@kindermorgan.com for line referenced line as Engineering Stati include coordinates. FS Date: 4/24/2012	cription for line through the morgan) Aparana. I specific properties of the belies of	uthorized r ligh levee in contact plicant oke with dieves its contact ink email	39.476140 ° 3 121.736390 ° -12	
9.79 9.79 Supplemental DWR UCIP Field Study	LS M En	Inspector Comments: FS_ID:5343 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: FIELD_STRUCT_DESC: Underground of levee at depth unknown. Owner of encro Pacific Telephone. FS Date: 4/24/2012		ugh the	39.475960 ° 3 121.736540 ° -12	1.736540°
224 9.79 9.79 Supplemental DWR UCIP Field Study	LS U En	Inspector Comments: FS_ID:15596 EP_NO: N/A Repair Type: Urgent Crossing Status: Indicator Found UCIP Comments: Unable to determine is authorized or unauthorized encroachme permit number for this crossing. Will nee with Pacific Telephone to determine if pe crossing.7/9/2013 Same as last inspect FIELD_STRUCT_DESC: Underground Elephone to death unknown. Owners for accept	nt. Unabled to coor ermit existion. cable thro	is an e to find dinate t for this	39.475960 ° 3 121.736540 ° -12	9.475960 ° 234
		levee at depth unknown. Owner of encro Pacific Telephone. FS Date: 7/11/2013 8:18:20 AM	oachinent	ıs	DWR ID: DWR_MA00	13_02_f _ 2013_234

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

	Waterway Bar									Inspection Start/End	Inspec	tor
	Unit No. 02 Cherokee Canal Left									10/31/2013 10/31/2013	Bob Duffe	
LMR No.	Levee	Mile	Category	Item	Location *	Rating	Action/Comment	GPS Latitude/Longitude No. Start End Photo				
225	9.79		Supplementa	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:5563 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Unable to determine i authorize or unauthorize. Unable to find for this crossing. Will need to coordinate Telephone to determine if permit exist for FIELD_STRUCT_DESC: Underground of levee at depth unknown. Owner of encro Pacific Telephone. FS Date: 4/24/2012	permint rewards with Pace or this cropable through	is number cific ssing. ugh the		9.475960 ° 1.736540 °	235
226	9.79	9.79	Supplementa	DWR UCIP Field Study	LS		Inspector Comments: FS_ID:5726 EP_NO: N/A Repair Type: Urgent Crossing Status: Indicator Found UCIP Comments: Unable to determine i authorize or unauthorize encroachment. permint number for this crossing. Will ne with Pacific Telephone to determine if po crossing. FIELD_STRUCT_DESC: Underground of levee at depth unknown. Owner of encro Pacific Telephone. FS Date: 4/24/2012	Unable to cool ermit exist cable thro	is an of find ordinate the for this ough the		9.475960 ° 1.736540 °	236
227	9.79	9.79	Supplementa	DWR UCIP Field Study	LS		Inspector Comments: FS_ID:5965 EP_NO: N/A Repair Type: Urgent Crossing Status: Indicator Found UCIP Comments: Unable to determine i authorized or unauthorized encroachme permit number for this crossing. Will nee with Pacific Telephone to determine if por crossing. FIELD_STRUCT_DESC: Underground of levee at depth unknown. Owner of encro Pacific Telephone. FS Date: 4/24/2012	nt. Unabled to coor ermit exiscable thro	is an e to find dinate t for this	39.475960° 3 121.736540°-12	9.475960 ° 1.736540 °	237

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Mainter

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Bank Unit Miles Inspection Inspector

Flood Control Project Maintenance Levee Inspections

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

				Wa		Bank	Unit Miles	Inspection Start/End	Inspec	tor		
				Unit No. 02 C	Cher	oke	e Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffe	
LMR No.	Levee		Category	Item	Location	Rating	Action/Comment			GPS Latitude/L		Issue No. Photo
228	9.79	9.79	Supplemental	DWR UCIP Field Study	LS	U En	Inspector Comments: FS_ID:5964 EP_NO: N/A Repair Type: Urgent Crossing Status: Indicator Found UCIP Comments: Unable to determine if authorized or unauthorized encroachmen permint number for this crossing. Will ne with Pacific Telephone to determine if pe crossing. FIELD_STRUCT_DESC: Underground of levee at depth unknown. Owner of encro Pacific Telephone. FS Date: 4/24/2012	nt. Unable ed to coo ermit exis able thro	is an e to find ordinate t for this	Start 39.475960 ° 38 121.736540 ° -12		238
229	9.99	9.99	Supplemental	DWR UCIP Field Study	LS		Inspector Comments: FS_ID:5704 EP_NO: 16994 Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: Unable to find any ind crossing. It appears that this encroachm Check again during next inspection. FIELD_STRUCT_DESC: 10 inch diamet containing fiber-optic cables across and Cherokee Canal and its levees. Twelve inner ducts through casing with hand hol end for initial and future installation of fib telecommunications cable. (Permit No. 1 3 Comm) FS Date: 4/24/2012	ent was r er HDPE under (bo 1.5 inch F les placeo er optic	or this not built. conduit pred) PVC d at each	39.473410 ° 30.121.738190 ° -12	9.473410 °	
230	9.99	9.99	Supplemental	DWR UCIP Field Study	LS		Inspector Comments: FS_ID:15597 EP_NO: 16994 Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: Unable to find any ind crossing. It appears that this encroachm Check again during next inspection.7/9/2 last inspection. Unable to locate any sig crossing. FIELD_STRUCT_DESC: 10 inch diamet containing fiber-optic cables across and Cherokee Canal and its levees. Twelve 2 inner ducts through casing with hand hol end for initial and future installation of fib telecommunications cable. (Permit No. 1 3 Comm) FS Date: 7/11/2013 8:19:14 AM	ent was r 2013 Sar ns of this er HDPE under (bo 1.5 inch F es placed er optic	or this not built. me as conduit pred) VC d at each	DWR ID: DWR_MA001 39.473410 ° 38 121.738190 ° -12	9.473410° 1.738190°	240
231	10.14	10.64	Earthen Levee	Encroachments	LS	M En	DT : Ditch		-	39.471517 ° 39 121.739433 ° -12 DWR ID: DWR_MA001	9.465113 ° 1.743592 °	13 Y

* Location
LS: Land Side
WS: Water Side
CR: Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Mainter

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Wate	erway		Bank	Unit Miles	Inspection Start/End	Inspector				
Unit No. 02 Cl	Unit No. 02 Cherokee Canal									
Levee Mile Start End Category Item	Rating ** + Location	Action/Comment			GPS Latitude/L	Longitude Issue No. End Photo				
232 10.67 10.67 Supplemental DWR UCIP Field Study	LS M En	Inspector Comments: FS_ID:15598 EP_NO: 1238 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Permit was approved diameter not 8 inch. The permit granted construct pipe to cross Cherokee Canal. Clear Creek, & Ash Creek. The O&M m steel gas line at HLM 10.67, unable to d gas line is the same crossing. Will need applicant to obtain records.7/8/2013 Sa inspection. FIELD_STRUCT_DESC: 8-inch gas pip levee at unknown elevation. (Permit No. marker visible at the upstream face of h Buried utility crosses bridge and crosses Cherokee Canal downstream of highway entry matches the Drainage or Irrigation referenced in O&M manual (HLM 10.67) FS Date: 7/11/2013 8:20:29 AM	permission Butte Cranual list etermine to contact me as last ethrough 1238-19-19-19 bridge. Structure	inch on to eek, an 8 inch if the ct st the 47) Utility ridge. c of This	39.464710 ° 39.464710 ° -12.41.743810 ° -12.41.743810 ° -12.41.41.41.41.41.41.41.41.41.41.41.41.41.					
233 10.67 10.67 Supplemental DWR UCIP Field Study	LS M En	Inspector Comments: FS_ID:5565 EP_NO: 1238 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Permit was approved diamter not 8 inch. The permit granted p construct pipe to cross Cherokee Canal, Clear Creek, & Ash Creek. The O&M m steel gas line at HLM 10.67, unable to d gas line is the same crossing. Will need applicant to obtain records. FIELD_STRUCT_DESC: 8-inch gas pip levee at unknown elevation. (Permit No. marker visible at the upstream face of h Buried utility crosses bridge and crosses Cherokee Canal downstream of highway entry matches the Drainage or Irrigation referenced in O&M manual (HLM 10.67)	permission, Butte Cranual list etermine to contact ethrough 1238-194 ighway bris left banky bridge. Structure	inch n to eek, an 8 inch if the ct the 47) Utility idge. c of This	39.464710° 39.464710° -12°	9.464710° 242 1.743810°				

FS Date: 4/24/2012

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

		Wa		Bank	Unit Miles	Inspection Start/End	Inspec	ctor		
		23.10	10/31/2013 10/31/2013	Bob Duffe						
Levee Mile Start End	Category	Item	Location	Rating	Action/Comment			GPS Latitude/L	ongitude End	No.
234 10.67 10.67	Supplementa	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:4231 EP_NO: 1238 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Permit was approved diameter not 8 inch line. The permit grat construct pipe to cross Cherokee Canal Clear Creek, and Ash Creek. The O&M inch steel gas line at historic levee mile determine if the gas line is the same cro to contact applicant to obtain records of location. FIELD_STRUCT_DESC: 8-inch gas pip levee at unknown elevation. (Permit No. marker visible at the upstream face of h Buried utility crosses bridge and crosses Cherokee Canal downstream of highway entry matches the Drainage or Irrigation referenced in O&M manual (HLM 10.67) FS Date: 4/24/2012	nted perm, Butte Cr manual li 10.67, un sssing. W crossing e through 1238-19- ighway br s left banl y bridge. Structure	inch nission to reek, st an 8 nable to ill need at this the 47) Utility ridge. k of This	39.464710 ° 3: 121.743810 ° -12		Y
²³⁵ 10.67 10.67	Supplementa	I DWR UCIP Field Study	LS		Inspector Comments: FS_ID:5263 EP_NO: 1238 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Permit was approved diamter not 8 inch. The permit granted p construct pipe to cross Cherokee Canal Clear Creek, & Ash Creek. The O&M m steel gas line at HLM 10.67, unable to d gas line is the same crossing. Will need applicant to obtain records. FIELD_STRUCT_DESC: 8-inch gas pip levee at unknown elevation. (Permit No. marker visible at the upstream face of h Buried utility crosses bridge and crosses Cherokee Canal downstream of highway entry matches the Drainage or Irrigation referenced in O&M manual (HLM 10.67)	permission, Butte Cranual list letermine to contact through 1238-19 lighway bis left banly bridge. Structure	inch n to eek, an 8 inch if the ct the 47) Utility ridge. k of This	39.464710° 3: 121.743810°-12	9.464710° 1.743810°	

FS Date: 4/24/2012

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

•	Sutter Mai	nten	iance faro Maintenanc	e Ar	ea uu i	3	
	Wate	erway		Bank	Unit Miles	Inspection Start/End	Inspector
	Unit No. 02 Ch	neroke	e Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffey
Levee Mile Category	Item	Rating ** + Location	Action/Comment			GPS Latitude/	No.
Start End Category		ion + io				Start	End Photo
236 10.67 10.67 Supplemental	DWR UCIP Field Study	LS M En	Inspector Comments: FS_ID:5262 EP_NO: 1238 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Permit was approved diamter not 8 inch. The permit granted p construct pipe to cross Cherokee Canal, Clear Creek, & Ash Creek. The O&M ma steel gas line at HLM 10.67, unable to d gas line is the same crossing. Will need applicant to obtain records of crossing. FIELD_STRUCT_DESC: 8-inch gas pipe levee at unknown elevation. (Permit No. marker visible at the upstream face of hi Buried utility crosses bridge and crosses Cherokee Canal downstream of highway entry matches the Drainage or Irrigation referenced in O&M manual (HLM 10.67) FS Date: 4/24/2012	ermission Butte Cr anual list etermine to contact e through 1238-19 ghway br s left bank r bridge.	inch n to eek, an 8 inch if the ct the 47) Utility idge. < of This	39.464710 ° 3 121.743810 ° -12	
237 10.67 10.67 Supplemental	DWR UCIP Field Study	LS M En	Inspector Comments: FS_ID:5720 EP_NO: 1238 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Permit was approved diameter not 8 inch. The permit granted construct pipe to cross Cherokee Canal, Clear Creek, & Ash Creek. The O&M ma steel gas line at HLM 10.67, unable to d gas line is the same crossing. Will need applicant to obtain records. FIELD_STRUCT_DESC: 8-inch gas pipe	permission Butte Cranual list etermine to contact the through	inch on to eek, an 8 inch if the ct	39.464710° 3 121.743810° -12	89.464710 ° 246 21.743810 °

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

FS Date: 4/24/2012

+ Issue Type
Ma · Mainter

levee at unknown elevation. (Permit No. 1238-1947) Utility marker visible at the upstream face of highway bridge. Buried utility crosses bridge and crosses left bank of Cherokee Canal downstream of highway bridge. This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 10.67).

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Inspector

Flood Control Project Maintenance Levee Inspections

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway

Bank Unit Miles

Inspection

		VV	Dalik	Offic ivilles	Start/End	mspec	lOI		
		Unit No. 02 (ee Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffe		
Levee Mile Start End	Category	Item	Rating ** + Location *	Action/Comment			GPS Latitude/L	ongitude End	Issue No. Photo
238 10.67 10.67	Supplementa	DWR UCIP Field Study	LS M En	Inspector Comments: FS_ID:5705 EP_NO: 1238 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Permit was approved diamter not 8 inch. The permit granted construct pipe to cross Cherokee Cana Clear Creek, & Ash Creek. The O&M m steel gas line at HLM 10.67, unable to o gas line is the same crossing. Will need applicant to obtain records. FIELD_STRUCT_DESC: 8-inch gas pip levee at unknown elevation. (Permit No marker visible at the upstream face of h Buried utility crosses bridge and crosse Cherokee Canal downstream of highwa entry matches the Drainage or Irrigation referenced in O&M manual (HLM 10.67 FS Date: 4/24/2012	permission, Butte Citanual list determined to contained through and 1238-19 highway be selft ban by bridge.	inch n to reek, an 8 inch if the ct n the 47) Utility ridge. k of This	39.464710 ° 39.464710 ° -12° -121.743810 ° -12° -12° -12° -12° -12° -12° -12° -1		
239 10.68 10.68	Supplementa	DWR UCIP Field Study	LS M En	Inspector Comments: FS_ID:4233 EP_NO: 10939 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: According to permit t and buried cable in the overflow area w Pole is present in the channel. FIELD_STRUCT_DESC: Reroute a bur left bank levee of Cherokee Canal at St Bridge abutment from that point to the of the bridge. From there the wire extends station at the center of the bridge. The fi service to the Department of Water Res Station midspan of the bridge. (Permit I FS Date: 4/24/2012	as to be r ied wire a ate Highw downstrea to the ga facility ma sources' N	g pole emoved. cross the vay 162 am side of ging intains Metering	39.464590 ° 39.464590 ° -12° -12° -12° -12° -12° -12° -12° -1		
240 10.68 10.68	Supplementa	DWR UCIP Field Study	LS M En	Inspector Comments: FS_ID:5264 EP_NO: 10939 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: According to permit t and buried cable in the overflow area w Pole is present in the channel. FIELD_STRUCT_DESC: Reroute a bur left bank levee of Cherokee Canal at St Bridge abutment from that point to the of the bridge. From there the wire extends station at the center of the bridge. The files Station midspan of the bridge. (Permit I FS Date: 4/24/2012	ere to be ied wire a ate Highw downstrea to the ga facility ma sources' N	g pole removed. across the vay 162 am side of ging aintains Metering	39.464590 ° 39.4645910 ° -121.743910 ° -12		Y

* Location LS: Land Side WS : Water Side CR : Crown Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cherokee Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffey

			Unit No. 02 C	nei	oke	ee Canai	Leit	23.10	10/31/2013	Duffe	еу
Lev No. Star	ee Mile	Category	Item	Location *	Rating	Action/Comment			GPS Latitude/I	Longitude	No.
	0 11.79	Earthen Levee	Encroachments		M En	DT : Ditch			39.464305 ° 3 -121.744172 ° -12 DWR ID: DWR_MA00		Υ
⁴² 13.C	3 13.03	Supplemental	I DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:4234 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: LS pipe and slide gate Limited inspection WS and LS slopes do vegetation. Need photos of cleared WS during next inspeciton. FIELD_STRUCT_DESC: 30-inch corrug through the levee, 13.0 feet below the cr corrugated metal pipe riser on the water gate in ditch on the landward side. Pipe a 24-inch Delleher siphon (USACE-1960 matches the Drainage or Irrigation Struct O&M manual (HLM 13.03). FS Date: 4/24/2012	ue to dens and LS sl ated meta rown. Slid ward slop under cha 0). This er	ed in. se opes al pipe e gate in e. Slide annel is	39.434779° 3 -121.763936° -12		
² 43 13.€	3 13.03	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:5567 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: LS pipe & slide gate s Limited inspection WS and LS slopes dt vegetation. Need photos of cleared WS during next inspection. This crossing wa USACE Periodic Inspection report as Co USACE_CESPK_M13F_2011_p_0147 f of LS and WS. FIELD_STRUCT_DESC: 30-inch corrug through the levee, 13.0 feet below the co corrugated metal pipe riser on the water gate in ditch on the landward side. Pipe a 24-inch Delleher siphon (USACE-1960 matches the Drainage or Irrigation Struct	ue to dens and LS sl is listed in orp's inspe- or limited lated meta rown. Slid ward slop under cha o). This er	d in. se opes the ect ID# visibility al pipe e gate in e. Slide annel is	DWR ID: DWR_MA00 39.434779 ° 3 -121.763940 ° -12	9.434779 °	25

O&M manual (HLM 13.03). FS Date: 4/24/2012

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

		Wa	terwa		Bank	Unit Miles	Inspection Start/End	Inspec	ctor	
		Unit No. 02 0	e Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffe			
Levee Mile Start End	Category	Item	Location *	Rating	Action/Comment			GPS Latitude/L	ongitude	Issue No. Photo
244 13.03 13.03	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:5266 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: LS pipe & slide gate s Limited inspection WS and LS slopes di vegetation. Need photos of cleared WS during next inspection. This crossing wa USACE Periodic Inspection report as Co USACE_CESPK_M13F_2011_p_0147 for of LS and WS. FIELD_STRUCT_DESC: 30-inch corrug through the levee, 13.0 feet below the co corrugated metal pipe riser on the water gate in ditch on the landward side. Pipe a 24-inch Delleher siphon (USACE-1960 matches the Drainage or Irrigation Struct O&M manual (HLM 13.03). FS Date: 4/24/2012	ue to den- and LS s is listed in orp's insp for limited atted met rown. Slic ward slop under ch o). This el	ed in. se lopes in the ect ID# visibility al pipe le gate in ine. Slide annel is intry		9.434779 °	252
245 13.03 13.03	Supplemental	DWR UCIP Field Study	LS		Inspector Comments: FS_ID:5827 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: LS pipe & slide gate s Limited inspection WS and LS slopes du vegetation. Need photos of cleared WS during next inspection. This crossing wa USACE Periodic Inspection report as Co USACE_CESPK_M13F_2011_p_0147 for of LS and WS. FIELD_STRUCT_DESC: 30-inch corrug through the levee, 13.0 feet below the co corrugated metal pipe riser on the water gate in ditch on the landward side. Pipe a 24-inch Delleher siphon (USACE-1960 matches the Drainage or Irrigation Struct O&M manual (HLM 13.03). FS Date: 4/24/2012	ue to den- and LS s is listed in orp's insp for limited atted met- rown. Slic ward slop under ch-	ed in. se lopes in the ect ID# visibility al pipe le gate in ine. Slide annel is intry	DWR ID: DWR_MA001 39.434779 ° 3 121.763940 ° -12	9.434779°	

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway		Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cherokee	Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffey
Levee Mile Start End Category Item	Action/Comment			GPS Latitude/L	ongitude Issue No. End Photo
246 13.03 13.03 Supplemental DWR UCIP Field Study Field Study LS M In En El	Inspector Comments: FS_ID:5265 IP_NO: N/A Repair Type: Non-Urgent Prossing Status: Found I/CIP Comments: LS pipe & slide gate s Imited inspection WS and LS slopes du Regetation. Need photos of cleared WS I/CIP Comments: LS pipe & slide gate s I/CIP COMMENTS I/C	ue to densiand LS sis listed in orp's insport limited atted metal atted metal ward slop under characters. This en	ed in. se lopes the ect ID# visibility al pipe le gate in le. Slide annel is htry	39.434779 ° 39.121.763940 ° -12	
Field Study En El R C U Li ve du U of Ffl th ccc ga a	nspector Comments: FS_ID:5606 IP_NO: N/A Repair Type: Non-Urgent Prossing Status: Found ICIP Comments: LS pipe & slide gate s Imited inspection WS and LS slopes du Regetation. Need photos of cleared WS Regetation. Need photos of cleared WS REGET	ue to densiand LS s s listed in orp's insport limited atted metatown. Slidward slopunder characteristics.	ed in. se lopes the ect ID# visibility al pipe le gate in le. Slide annel is htry	39.434779° 39.121.763940° -12	9.434779 ° 255 1.763940 °

FS Date: 4/24/2012

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspec	ctor
Unit No. 02 Cherokee Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffe	
Levee Mile Start End Category Item Levee Mile Action/Comment Action/Comment			GPS Latitude	e/Longitude End	Issue No. Photo
248 13.03 13.03 Supplemental DWR UCIP Field Study LS M Inspector Comments: FS_ID:4236 EP_NO: N/A Repair Type: Non-Urgent		-	39.434779 ° 121.763936 ° -	39.434779 ° 121.763936 °	

Crossing Status: Found

UCIP Comments: LS pipe and slide gate sedimeted in. Limited inspection WS and LS slopes due to dense vegetation. Need photos of cleared WS and LS slopes during next inspeciton. This crossing was listed in the USACE Periodic Inspection report as Corp's inspect ID# USACE_CESPK_M13F_2011_p_0147 for limited visibility of LS and WS.
FIELD_STRUCT_DESC: 30-inch corrugated metal pipe

FIELD_STRUCT_DESC: 30-inch corrugated metal pipe through the levee, 13.0 feet below the crown. Slide gate in corrugated metal pipe riser on the waterward slope. Slide gate in ditch on the landward side. Pipe under channel is a 24-inch Delleher siphon (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 13.03). FS Date: 4/24/2012

DWR ID: DWR_MA0013_02_f _ 2013_256 39.434779 ° 39.434779 ° 257

-121.763940 ° -121.763940 °

²⁴⁹ 13.03 13.03 Supplemental DWR UCIP Field Study

LS M Inspector Comments: FS_ID:15601

En EP_NO: N/A

Repair Type: Non-Urgent Crossing Status: Found

UCIP Comments: LS pipe & slide gate sedimented in. Limited inspection WS and LS slopes due to dense vegetation. Need photos of cleared WS and LS slopes during next inspection. This crossing was listed in the USACE Periodic Inspection report as Corp's inspect ID# USACE_CESPK_M13F_2011_p_0147 for limited visibility of LS and WS.7/8/2013 LS slope has been cleared of vegetation and is in good condition. LS headwall is now visible but mostly underwater so unable to do full inspection. WS is still vegetated.

FIELD_STRUCT_DESC: 30-inch corrugated metal pipe through the levee, 13.0 feet below the crown. Slide gate in corrugated metal pipe riser on the waterward slope. Slide gate in ditch on the landward side. Pipe under channel is a 24-inch Delleher siphon (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 13.03).

FS Date: 7/11/2013 8:22:12 AM

DWR ID: DWR_MA0013_02_f _ 2013_257

* Location

LS: Land Side

WS: Water Side

CR: Crown

* Rating
A : Acceptable

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
AW : Acceptable
AW : Acceptable

N : Not Inspected/Rated C : Corrected W : Acceptable but Monitor & Maintain + Issue Type
Ma : Mainte

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Unit No. 02 Cherokee Canal Left 23.10 103/12/013 Bob Duffey 103/12/013 Bob Duffey			Wa	terwa	ay		Bank	Unit Miles	Inspection Start/End	Inspec	ctor
Start End End End End End End End Photo Ph			Unit No. 02 (Cher	oke	e Canal	Left	23.10			
250 13.03 13.03 Supplemental DWR UCIP Field Study Side Field Study LS M Inspector Comments: FS_ID:15602 39.434779 39.434779 258 -121.763940 121.	Levee Mile	Category	Item	Locatio	Rating	Action/Comment					No.
251 13.55 14.10 Earthen Levee Encroachments LS M En DT: Ditch 211.768443 ° 121.794863 ° Y DWR ID: DWR_MA0013_02_f_2013_258 252 15.62 15.62 Supplemental DWR UCIP Field Study En EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Could not find LS end of pipe. Limited inspection on WS and LS slopes, and LS headwall during next inspection. This crossing was listed in the USACE_Periodic Inspection report as Corp's inspect ID# USACE_CESPK_M13E_2011_p_0011 for WS gate blocked by vegetation. FIELD_STRUCT_DESC: 24-inch corrugated metal pipe through the levee, 10.1 feet below the crown. Flap gate on the waterward end. Concrete "U" headwalls on both ends (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 15.62). FS Date: 4/24/2012		Supplementa				EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: LS pipe & slide gate s Limited inspection WS and LS slopes du vegetation. Need photos of cleared WS during next inspection. This crossing wa USACE Periodic Inspection report as Ct USACE_CESPK_M13F_2011_p_0147 f of LS and WS.7/8/2013 LS slope has b vegetation and is in good condition. LS visible but mostly underwater so unable inspection. WS is still vegetated. FIELD_STRUCT_DESC: 30-inch corrug through the levee, 13.0 feet below the corrugated metal pipe riser on the water gate in ditch on the landward side. Pipe a 24-inch Delleher siphon (USACE-1960 matches the Drainage or Irrigation Struct O&M manual (HLM 13.03).	ue to den- and LS s is listed in orp's insp for limited een clear headwall to do full jated met rown. Slic ward slop under ch.	ed in. se lopes n the ect ID# visibility red of is now al pipe le gate in be. Slide annel is ntry	39.434779° 3	9.434779 °	
252 15.62 15.62 Supplemental DWR UCIP Field Study LS M Inspector Comments: FS_ID:4238 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Could not find LS end of pipe. Limited inspection on WS and LS slopes and toe due to dense vegetation. Need photos of cleared WS and LS slopes, and LS headwall during next inspection. This crossing was listed in the USACE Periodic Inspection report as Corp's inspect ID# USACE_CESPK_M13E_2011_p_0011 for WS gate blocked by vegetation. FIELD_STRUCT_DESC: 24-inch corrugated metal pipe through the levee, 10.1 feet below the crown. Flap gate on the waterward end. Concrete "U" headwalls on both ends (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 15.62). FS Date: 4/24/2012	²⁵¹ 13.55 14.10		Encroachments	LS		DT : Ditch		-	39.428192 ° 39.121.768443 ° -12	9.406240 ° 1.794863 °	19 Y
DWK MAUU13 UZ T 2013 259 ביי ביי ביי ביי ביי ביי ביי ביי ביי בי	252 15.62 15.62	Supplementa		LS		EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Could not find LS end inspection on WS and LS slopes and to vegetation. Need photos of cleared WS and LS headwall during next inspection. listed in the USACE Periodic Inspection inspect ID# USACE_CESPK_M13E_20 gate blocked by vegetation. FIELD_STRUCT_DESC: 24-inch corrug through the levee, 10.1 feet below the ci the waterward end. Concrete "U" headw (USACE-1960). This entry matches the Irrigation Structure referenced in O&M in 15.62).	e due to c and LS s This cros report as 11_p_001 gated met rown. Fla valls on bo Drainage	Limited dense lopes, ssing was Corp's 11 for WS al pipe p gate on oth ends or	39.419209° 3: 121.773683° -12	9.419209 ° 1.773683 °	259

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

		Wa	iterwa	ау		Bank	Unit Miles	Inspection Start/End	Inspector
		Unit No. 02 (Cher	oke	e Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffey
Levee Mile Start End	Category	Item	Location	Rating	Action/Comment			GPS Latitude/L	ongitude Issue No. End Photo
²⁵³ 15.62 15.62	Supplementa	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:15607 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Could not find LS end inspection on WS and LS slopes and to vegetation. Need photos of cleared WS and LS headwall during next inspection. listed in the USACE Periodic Inspection inspect ID# USACE_CESPK_M13E_20 gate blocked by vegetation.7/8/2013 W been cleared of vegetation and is in goo slope also cleared of vegetation but still toe and unbale to locate LS headwall. FIELD_STRUCT_DESC: 24-inch corrug through the levee, 10.1 feet below the ci the waterward end. Concrete "U" headw (USACE-1960). This entry matches the Irrigation Structure referenced in O&M in 15.62). FS Date: 7/11/2013 8:30:56 AM	e due to c and LS s This cros report as 11_p_001 S slope h d condition very dense atted met- rown. Flap ralls on bo Drainage	Limited dense lopes, ssing was Corp's 1 for WS las on. LS se on LS all pipe to gate on oth ends or	39.419209 ° 39.121.773680 ° -12	9.419209 ° 260 1.773680 ° Y
²⁵⁴ 15.62 15.62	Supplementa	DWR UCIP Field Study	LS		Inspector Comments: FS_ID:4237 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Could not find LS end inspection on WS and LS slopes and to vegetation. Need photos of cleared WS during next inspection. This crossing wa USACE Periodic Inspection report as Co USACE_CESPK_M13E_2011_p_00116 blocked by vegetation. FIELD_STRUCT_DESC: 24-inch corrug through the levee, 10.1 feet below the co the waterward end. Concrete "U" headw (USACE-1960). This entry matches the Irrigation Structure referenced in O&M in 15.62).	e due to c and LS s is listed in orp's insp for WS ga atted metarown. Flap alls on bo Drainage	Limited dense lopes the ect ID# ate al pipe p gate on oth ends or	39.419209 ° 38.121.773683 ° -12	9.419209 ° 261

FS Date: 4/24/2012

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

	W	aterway		Bank	Unit Miles	Inspection Start/End	Inspector
	Unit No. 02	Cheroke	e Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffey
Levee Mile Start End Category	Item	Rating ** + Location *	Action/Comment			GPS Latitude/L	ongitude Issue No. End Photo
255 15.62 15.62 Supplement	al DWR UCIP Field Study	LS M En	Inspector Comments: FS_ID:15605 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Could not find LS end inspection on WS and LS slopes and too vegetation. Need photos of cleared WS and LS headwall during next inspection. listed in the USACE Periodic Inspection inspect ID# USACE_CESPK_M13E_20 gate blocked by vegetation.7/8/2013 W been cleared of vegetation and is in goo slope also cleared of vegetation but still toe and unbale to locate LS headwall. FIELD_STRUCT_DESC: 24-inch corrug through the levee, 10.1 feet below the or the waterward end. Concrete "U" headw (USACE-1960). This entry matches the Irrigation Structure referenced in O&M m 15.62). FS Date: 7/11/2013 8:28:35 AM	e due to c and LS s This cros report as 11_p_001 S slope h d condition very dens ated met own. Flantalls on both Drainage	Limited dense lopes, ssing was a Corp's 11 for WS has on. LS se on LS al pipe p gate on oth ends or	39.419209 ° 39. 121.773680 ° -12	9.419209 ° 262 1.773680 °
256 15.62 15.62 Supplement	al DWR UCIP Field Study	LS M En	Inspector Comments: FS_ID:5706 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Could not find LS end inspection on WS and LS slopes and too vegetation. Need photos of cleared WS and LS headwall during next inspection. listed in the USACE Periodic Inspection inspect ID# USACE_CESPK_M13E_20: gate blocked by vegetation. FIELD_STRUCT_DESC: 24-inch corrug through the levee, 10.1 feet below the cr the waterward end. Concrete "U" headw (USACE-1960). This entry matches the Irrigation Structure referenced in O&M m 15.62).	e due to c and LS s This cros report as 11_p_001 ated met rown. Fla alls on bo Drainage	Limited dense lopes, ssing was corp's 11 for WS al pipe p gate on oth ends or	39.419209 ° 38 121.773680 ° -12	9.419209 ° 263

FS Date: 4/24/2012

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

		Sutter iv	aiiit	J11	ance fard maintenant	C AI	ea uu i			
		V	Vaterway	y		Bank	Unit Miles	Start/End	Inspec	
		Unit No. 02	2 Chero	ke	e Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffe	
Levee Mile Start End	Category	Item	Location	Rating	Action/Comment			GPS Latitude	/Longitude End	Issue No. Photo
257 15.86 15.86 \$		DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:15608 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: LS headwall buried. Li on WS and LS slopes due to dense vege photos of cleared WS and LS slopes due inspection. Need to determine the fate o This crossing was listed in the USACE F report as Corp's inspect ID# USACE_CESPK_M13E_2011_p_0022 - issue.7/8/2013 Same as last inspection FIELD_STRUCT_DESC: 24-inch corrug. through the levee, 9.0 feet below the cro waterward end. Concrete "U" headwalls (USACE-1960). This entry matches the I Irrigation Structure referenced in O&M m 15.87). FS Date: 7/11/2013 8:34:39 AM	etation. Noring next of LS head of eriodic li of unknow ated met on both Drainage	spection leed dwall. nspection /n al pipe o gate on ends or	39.417043 ° .121.7777240 ° -1		
258 15.86 15.86 \$		DWR UCIP Field Study	LS		Inspector Comments: FS_ID:4239 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: LS is not visible. Limit WS and LS slopes due to dense vegetat of cleared WS and LS slopes during nex FIELD_STRUCT_DESC: 24-inch corrug. through the levee, 9.0 feet below the cro waterward end. Concrete "U" headwalls (USACE-1960). This entry matches the I Irrigation Structure referenced in O&M m 15.87). FS Date: 4/24/2012	tion. Nee t inspect ated met wn. Flap on both Drainage	ction on d photos ion. al pipe o gate on ends or	39.417043°.121.777244°-1	39.417043 ° 21.777244 °	265
259 15.86 15.86 S		DWR UCIP Field Study	LS		Inspector Comments: FS_ID:5607 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: LS headwall buried. Li on WS and LS slopes due to dense vege photos of cleared WS and LS slopes due inspection. Need to determine the fate of This crossing was listed in the USACE Freport as Corp's inspect ID# USACE_CESPK_M13E_2011_p_0022 - FIELD_STRUCT_DESC: 24-inch corrug through the levee, 9.0 feet below the cro waterward end. Concrete "U" headwalls (USACE-1960). This entry matches the I Irrigation Structure referenced in O&M m 15.87). ES Date: 4/24/2012	etation. No ring next of LS head Periodic II - unknow ated met wn. Flap on both Drainage	spection leed dwall. nspection vn issue. al pipe o gate on ends or		39.417043 °	

* Location LS: Land Side WS : Water Side CR : Crown

Thursday, December 12, 2013 15:04

* Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

FS Date: 4/24/2012

+ Issue Type Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

	Wa	terway		Bank	Unit Miles	Inspection Start/End	Inspect	tor
	Unit No. 02 C	Cheroke	ee Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffey	
Levee Mile Category	Item	Rating ** + Location *	Action/Comment			GPS Latitude/L	Jongilude	Issue No. Photo
260 15.86 15.86 Supplement	al DWR UCIP Field Study	LS M En	Inspector Comments: FS_ID:5570 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: LS headwall buried. L on WS and LS slopes due to dense veg photos of cleared WS and LS slopes du inspection. Need to determine the fate of This crossing was listed in the USACE freport as Corp's inspect ID# USACE_CESPK_M13E_2011_p_0022 - FIELD_STRUCT_DESC: 24-inch corrug through the levee, 9.0 feet below the cro waterward end. Concrete "U" headwalls (USACE-1960). This entry matches the Irrigation Structure referenced in O&M in 15.87). FS Date: 4/24/2012	etation. No ring next of LS head Periodic In the control of the co	spection Need dwall. Inspection In issue. al pipe o gate on ends	39.417043 ° 39.417043 ° -12°		
261 15.86 15.86 Supplement	al DWR UCIP Field Study	LS M En	Inspector Comments: FS_ID:4803 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: LS headwall buried. L on WS and LS slopes due to dense veg photos of cleared WS and LS slopes du inspection. Need to determine the fate of This crossing was listed in the USACE freport as Corp's inspect ID# USACE_CESPK_M13E_2011_p_0022 FIELD_STRUCT_DESC: 24-inch corrug through the levee, 9.0 feet below the cro waterward end. Concrete "U" headwalls (USACE-1960). This entry matches the Irrigation Structure referenced in O&M in 15.87). FS Date: 4/24/2012	etation. No ring next of LS head	spection leed dwall. nspection vn issue. al pipe o gate on ends	39.417043 ° 39.417043 ° -12°		Y

Flood Control Project Maintenance Levee Inspections

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

	W	aterway		Bank	Unit Miles	Inspection Start/End	Inspector
	Unit No. 02	Cheroke	ee Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffey
Levee Mile Start End Category	Item	Rating ** + Location *	Action/Comment			GPS Latitude/L	Longitude Issue No. Photo
²⁶² 15.86 15.86 Supplemen	atal DWR UCIP Field Study	LS M En	Inspector Comments: FS_ID:4241 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: LS is not visible. Limit WS and LS slopes due to dense vegeta of cleared WS and LS slopes during nex crossing was listed in the USACE Perior report as Corp's inspect ID# USACE_CESPK_M13E_2011_p_0022 FIELD_STRUCT_DESC: 24-inch corrug through the levee, 9.0 feet below the cro waterward end. Concrete "U" headwalls (USACE-1960). This entry matches the Irrigation Structure referenced in O&M in 15.87). FS Date: 4/24/2012	tion. Nee at inspect dic Inspect unknow pated met own. Flap s on both Drainage	ction on d photos ion. This ction vn issue. al pipe o gate on ends or	39.417043 ° 3.121.777244 ° -12	
²⁶³ 15.87 15.87 Supplemen	ntal DWR UCIP Field Study	LS M En	Inspector Comments: FS_ID:3760 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: LS is not visible FIELD_STRUCT_DESC: 24-inch corrug through the levee, 9.0 feet below the cro waterward end. Concrete "U" headwalls (USACE-1960). This entry matches the Irrigation Structure referenced in O&M in 15.87). FS Date: 4/24/2012	own. Flap on both Drainage	al pipe o gate on ends or	39.417043° 3 .121.777244° -12	9.417043° 270 1.777244°
264 15.87 15.87 Supplemen	ntal DWR UCIP Field Study	LS M En	Inspector Comments: FS_ID:3761 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: LS is not visible FIELD_STRUCT_DESC: 24-inch corrug through the levee, 9.0 feet below the cro waterward end. Concrete "U" headwalls (USACE-1960). This entry matches the Irrigation Structure referenced in O&M in 15.87). FS Date: 4/24/2012	own. Flap s on both Drainage	al pipe o gate on ends or	DWR ID: DWR_MA00: 39.417043 ° 3 .121.777244 ° -12	9.417043 ° 271 1.777244 °

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

	Waterway			Bank	Unit Miles	Inspection Start/End	Inspector
Uni	t No. 02 Cherol	kee	Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffey
Levee Mile Start End Category	Item ***	Rating	Action/Comment			GPS Latitude/L	ongitude Issue No. End Photo
265 16.25 16.25 Supplemental DWF Field	RUCIP LS N	FEN EEN EEN EEN EEN EEN EEN EEN EEN EEN	Inspector Comments: FS_ID:3762 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Cracks in riser box-S seperate permit for pump. FIELD_STRUCT_DESC: 36-inch corrug through the levee, 11.7 feet below the cr in Corrugated metal pipe riser on the wa Concrete "U" headwall on the landward of discharges into distribution box on the w Divers on dam in stream. Pump located bearm, pumps water from diversion dam concrete "How back through the andward field. Provision can be made to streambed to irrigation overflow area (Ut) entry matches the Drainage or Irrigation referenced in the O&M manual (HLM 16 ES Date: 4/26/2012 10:54:00 AM	ated metarown. Slideterward side. Piperaterward on the wainto distrillevee to to send was SACE-194	under al pipe de gate lope. es side. aterside bution he ater over 60). This	39.413595 ° 39.413595 ° -12	9.413595° 272 1.782891°
266 16.25 16.25 Supplemental DWF Field		FF FF LICENTER SECTION OF THE SECTIO	Inspector Comments: FS_ID:5233 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Cracks in riser box. N recently work should be under seperate nspection on LS slope due to dense very chotos of cleared LS slope and LS head FIELD_STRUCT_DESC: 36-inch CM pip evee, 11.7 feet below the crown. Slide riser on the waterward slope. Concrete the landward side. Pipe discharges into waterward side. Divers on dam in strean on the WS berm, pumps water from dive distrib box. Water then flows back throug andward field. Provision can be made to streambed to irrigation overflow area (Us) entry matches the Drainage or Irrigation referenced in the O&M manual (HLM 16 FS Date: 4/24/2012	permit. Ligetation. I getation. I lwall. oe throug gate in C "U" head distrib bo in. Pump I ersion dar gh the lev o send wa SACE-19 Structure	installed imited Need In the M pipe wall on x on the ocated m into the eter over 60). This	DWR ID: DWR_MA001 39.413595 ° 38 121.782890 ° -12	9.413595° 273

+ Issue Type

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cherokee Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffey

LMR	Levee Mile	Category	Item	Rati	Action/Comment	GPS Latitud	le/Longitude	Issue No.
No.	Start End	Category	item	tion	Action/Comment	Start	End	Photo

267 16.25 16.25 Supplemental DWR UCIP Field Study

LS M Inspector Comments: FS_ID:5707 En EP NO: N/A

Repair Type: Non-Urgent Crossing Status: Found

UCIP Comments: Limited inspection on LS slope due to dense vegetation. Need photos of cleared LS slope and LS headwall. Cracks in riser box. New pump installed recently this work might be covered under seperate permit. FIELD_STRUCT_DESC: 36-inch corrugated metal pipe through the levee, 11.7 feet below the crown. Slide gate in corrugated metal pipe riser on the waterward slope. Concrete "U" headwall on the landward side. Pipe discharges into distribution box on the waterside. Divers on dam in stream. Pump located on the waterward berm, pumps water from diversion dam into distribution box. Water then flows back through the levee to the landward field. Provision can be made to send water over streambed to irrigation overflow area (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in the O&M manual (HLM 16.26). FS Date: 4/24/2012

> DWR ID: DWR_MA0013_02_f _ 2013_274 39.413595 ° 39.413595 ° 275

-121.782890 ° -121.782890 °

39.413595° 39.413595° 274

-121.782890 ° -121.782890 °

268 16.25 16.25 Supplemental DWR UCIP Field Study

LS M Inspector Comments: FS_ID:15609

EP_NO: N/A

Repair Type: Non-Urgent Crossing Status: Found

UCIP Comments: Limited inspection on LS slope due to dense vegetation. Need photos of cleared LS slope and LS headwall. Cracks in riser box. New pump installed recently this work might be covered under seperate permit.7/8/2013 LS slope has been cleared of vegetation and is in good condition. LS headwall was underwater and unable to be inspected. All WS appurtances in good condition.

FIELD_STRUCT_DESC: 36-inch corrugated metal pipe through the levee, 11.7 feet below the crown. Slide gate in corrugated metal pipe riser on the waterward slope. Concrete "U" headwall on the landward side. Pipe discharges into distribution box on the waterside. Divers on dam in stream. Pump located on the waterward berm, pumps water from diversion dam into distribution box. Water then flows back through the levee to the landward field. Provision can be made to send water over streambed to irrigation overflow area (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in the O&M manual (HLM 16.26). FS Date: 7/11/2013 8:36:03 AM

DWR ID: DWR MA0013 02 f 2013 275

* Location

LS: Land Side

WS: Water Side

CR: Crown

* Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected

+ Issue Type
Ma · Maintei

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence
En : Enforcement

: Acceptable but Monitor & Maintain En : Enforcer

Deals Unit Miles Inspection Inspection

Flood Control Project Maintenance Levee Inspections

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

			W	/aterwa	ay		Bank	Unit Miles	Inspection Start/End	Insped	ctor
			Unit No. 02	Cher	oke	e Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffe	
ಸ	e Mile	Category	Item	Location *	Rating	Action/Comment			GPS Latitude	/Longitude	NO.
Start	End	Outogory	пст	ion	ng +	/ totto!#Common			Start	End	Photo
16.25	16.25	Supplementa	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:15610 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection on dense vegetation. Need photos of cleare LS headwall. Cracks in riser box. New precently this work might be covered underwite and is in good condition. LS underwater and unable to be inspected. appurtances in good condition. FIELD_STRUCT_DESC: 36-inch corrug through the levee, 11.7 feet below the crin corrugated metal pipe riser on the wat Concrete "U" headwall on the landward discharges into distribution box on the won dam in stream. Pump located on the pumps water from diversion dam into dis Water then flows back through the levee field. Provision can be made to send was streambed to irrigation overflow area (Us entry matches the Drainage or Irrigation referenced in the O&M manual (HLM 16 FS Date: 7/11/2013 8:38:16 AM	ed LS slopump instater seperated of headwall All WS atted metated metated seperaters and services atteriside. Waterward stribution at to the later over SACE-19 Structure	due to be and alled te was all pipe de gate lope. E Divers de berm, box. ndward 60). This	39.413595 ° :-121.782890 ° -1:		Y
²⁷⁰ 16.25	16.25	Supplementa	DWR UCIP Field Study	LS		Inspector Comments: FS_ID:5229 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Cracks in riser box. Note that the comments is should be under sependimented inspection on LS slope due to de LS headwall is blocked by dense vegetate of cleared LS slope and LS headwall. FIELD_STRUCT_DESC: 36-inch CM pix levee, 11.7 feet below the crown. Slide the comments is should be supported by the crown.	rate permense vegetion. Nee	installed nit. etation. d photos h the	39.413595 ° : -121.782890 ° -1:	39.413595° 21.782890°	

Location LS: Land Side WS : Water Side CR : Crown Rating

A : Acceptable
M : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

16.26).

FS Date: 4/24/2012

riser on the waterward slope. Concrete "U" headwall on the landward side. Pipe discharges into distribution box on the waterward side. Divers on dam in stream. Pump located on the waterside berm, pumps water from diversion dam into distribution box. Water then flows back through the levee to the landward field. Provision can be made to send water over streambed to irrigation overflow area (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in the O&M manual (HLM

Ma: Maintenance Deficiancy

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cherokee Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffey

LMR	Levee Mile	Category	Item	Rati	Action/Comment	GPS Latitud	e/Longitude	Issue No.
No.	Start End	Calegory	пеш	tion +	Action/Comment	Start	End	Photo
271	16 25 16 25	Supplementa	DWR UCIP	IS M	Inspector Comments: FS ID:5230	39.413595 °	39.413595 °	278

Field Study

En EP_NO: N/A

Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Cracks in riser box. New pump installed

recently and work should be under seperate permit. Limited inspection on LS slope due to dense vegetation. LS headwall is blocked by dense vegetation. Need photos of cleared LS slope and LS headwall. FIELD_STRUCT_DESC: 36-inch CM pipe through the levee, 11.7 feet below the crown. Slide gate in CM pipe riser on the waterward slope. Concrete "U" headwall on the landward side. Pipe discharges into distribution box on the waterward side. Divers on dam in stream. Pump located on the WS berm, pumps water from diversion dam into distribution box. Water then flows back through the levee to the landward field. Provision can be made to send water over streambed to irrigation overflow area (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in the O&M manual (HLM 16.26).

FS Date: 4/24/2012

DWR ID: DWR_MA0013_02_f _ 2013_278 39.413595° 39.413595° 279

-121.782890 ° -121.782890 °

-121.782890 ° -121.782890 °

272 16.25 16.25 Supplemental DWR UCIP Field Study

IS M Inspector Comments: FS_ID:5231

EP_NO: N/A En

Repair Type: Non-Urgent Crossing Status: Found

UCIP Comments: Cracks in riser box. New pump installed recently and work should be under seperate permit. Limited inspection on LS slope due to dense vegetation. LS headwall is blocked by dense vegetation. Need photos of cleared LS slope and LS headwall. FIELD_STRUCT_DESC: 36-inch CM pipe through the levee, 11.7 feet below the crown. Slide gate in CM pipe riser on the waterward slope. Concrete "U" headwall on the landward side. Pipe discharges into distrib box on the waterward side. Divers on dam in stream. Pump located on the WS berm, pumps water from diversion dam into distrib box. Water then flows back through the levee to the landward field. Provision can be made to send water over streambed to irrigation overflow area (USACE-1960). This entry matches the Drainage or Irrigation Structure

FS Date: 4/24/2012

DWR ID: DWR_MA0013_02_f _ 2013_279

Location LS: Land Side WS : Water Side CR: Crown

Rating

Minimally Acceptable U: Unacceptable

N : Not Inspected/Rated Corrected : Acceptable but Monitor & Maintain + Issue Type

Ma: Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

referenced in the O&M manual (HLM 16.26).

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cherokee Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffey

LMR	Levee Mile	Category	Item	Rati	Action/Comment	GPS Latitud	le/Longitude	Issue No.
No.	Start End	Category	item	tion	Action/Comment	Start	End	Photo

273 16.25 16.25 Supplemental DWR UCIP

Field Study

LS M Inspector Comments: FS ID:4240

39.413595 ° 39.413595 ° 280

-121.782891 ° -121.782891 °

EP NO: N/A

Repair Type: Non-Urgent Crossing Status: Found

recently and work should be under seperate permit. Limited inspection on LS slope due to dense vegetation. LS headwall is blocked by dense vegetation. Need photos of cleared LS slope and LS headwall. FIELD_STRUCT_DESC: 36-inch corrugated metal pipe through the levee, 11.7 feet below the crown. Slide gate in corrugated metal pipe riser on the waterward slope. Concrete "U" headwall on the landward side. Pipe discharges into distribution box on the waterward side. Divers on dam in stream. Pump located on the waterside berm, pumps water from diversion dam into distribution box. Water then flows back through the levee to the landward field. Provision can be made to send water over streambed to irrigation overflow area (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in the O&M manual (HLM 16.26).

UCIP Comments: Cracks in riser box. New pump installed

DWR ID: DWR_MA0013_02_f _ 2013_280 39.413595° 39.413595° 281

-121.782890 ° -121.782890 °

274 16.25 16.25 Supplemental DWR UCIP Field Study

Inspector Comments: FS ID:5235 IS M

FS Date: 4/26/2012 10:54:00 AM

EP_NO: N/A En

Repair Type: Non-Urgent Crossing Status: Found

UCIP Comments: Limited inspection on LS slope due to dense vegetation. Need photos of cleared LS slope and LS headwall. Cracks in riser box. New pump installed recently this work might be covered under seperate permit. FIELD_STRUCT_DESC: 36-inch corrugated metal pipe through the levee, 11.7 feet below the crown. Slide gate in corrugated metal pipe riser on the waterward slope. Concrete "U" headwall on the landward side. Pipe discharges into distribution box on the waterside. Divers on dam in stream. Pump located on the waterward berm, pumps water from diversion dam into distribution box. Water then flows back through the levee to the landward field. Provision can be made to send water over streambed to irrigation overflow area (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in the O&M manual (HLM 16.26). FS Date: 4/24/2012

DWR ID: DWR_MA0013_02_f _ 2013_281

Location LS: Land Side WS: Water Side CR: Crown

Rating

Minimally Acceptable U: Unacceptable

N : Not Inspected/Rated Corrected : Acceptable but Monitor & Maintain + Issue Type

Flood Control Project Maintenance Levee Inspections

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

	Wate	erway		Bank	Unit Miles	Inspection Start/End	Inspector
L	Jnit No. 02 Cl	heroke	e Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffey
Levee Mile Start End Category	Item	Rating ** + Location	Action/Comment			GPS Latitude/L	Longitude Issue No. End Photo
275 16.25 16.25 Supplemental DI Fid	WR UCIP eld Study	LS M En	Inspector Comments: FS_ID:5234 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Cracks in riser box. Note cently work should be under seperate inspection on LS slope due to dense very photos of cleared LS slope and LS head FIELD_STRUCT_DESC: 36-inch CM pip levee, 11.7 feet below the crown. Slide griser on the waterward slope. Concrete the landward side. Pipe discharges into waterside. Divers on dam in stream. Pur WS berm, pumps water from diversion of box. Water then flows back through the lifeld. Provision can be made to send watersambed to irrigation overflow area (US entry matches the Drainage or Irrigation referenced in the O&M manual (HLM 16 FS Date: 4/24/2012	permit. Li getation. I wall. be throug gate in Cl "U" head distrib bo mp locate lam into c levee to t ter over SACE-19 Structure	installed imited Need h the M pipe wall on x on the d on the distrib he LS 60). This	39.413595° 3: 121.782890° -12	
276 16.25 16.25 Supplemental DV Fig.	WR UCIP ield Study	LS M En	Inspector Comments: FS_ID:4804 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Cracks in riser box. Note cently and work should be under seper Limited inspection on LS slope due to de LS headwall is blocked by dense vegeta of cleared LS slope and LS headwall. FIELD_STRUCT_DESC: 36-inch corrugation through the levee, 11.7 feet below the crin corrugated metal pipe riser on the wat Concrete "U" headwall on the landward sidischarges into distribution box on the will Diverson dam in stream. Pump located berm, pumps water from diversion dam in box. Water then flows back through the landward field. Provision can be made to streambed to irrigation overflow area (US entry matches the Drainage or Irrigation referenced in the O&M manual (HLM 16 FS Date: 4/24/2012	rate permense vegetion. Nee ated metaown. Sliderward sliderward slotterward on the wainto distrilevee to to send was ACE-190 Structure	installed hit. etation. d photos al pipe de gate lope. es side. atterside bution he atter over 60). This	39.413595 ° 3: 121.782890 ° -12	
²⁷⁷ 17.05 18.93 Earthen Levee	ncroachments	LS M En	DT : Ditch			° 3	9.389187 ° ²⁰ 1.821233 ° Y

* Location LS: Land Side WS : Water Side CR : Crown Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cherokee Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffey
Levee Mile Category Item Category Action/Comment Action/Comment			GPS Latitude/I	Longitude Issue No. End Photo
278 17.06 17.06 Supplemental DWR UCIP Field Study LS M Inspector Comments: FS_ID:3361 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: FIELD_STRUCT_DESC: 36 inch corruge through the levee at approximately 14.5 There is a flapgate located on the water (USACE-1962) This entry matches the D Irrigation Structure referenced in O&M m 17.06). FS Date: 4/24/2012	feet belo ward side Orainage	al pipe w crown. e. or	.121.794638° -12	
279 17.06 17.06 Supplemental DWR UCIP Field Study LS M Inspector Comments: FS_ID:15613 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: Dense vegetation limit need to verify is an features are still pres location during the next inspection.7/8/2 last inspection. Unable to locate. FIELD_STRUCT_DESC: 36 inch corrugat through the levee at approximately 14.5 There is a flapgate located on the water (USACE-1962) This entry matches the D Irrigation Structure referenced in O&M m 17.06). FS Date: 7/11/2013 8:42:10 AM	sent at th 013 Sam ated meta feet belo ward side Orainage	ection will is ne as al pipe w crown.	39.406410 ° 3 121.794600 ° -12	9.406410 ° 285 1.794600 °
280 17.06 17.06 Supplemental DWR UCIP Field Study LS M Inspector Comments: FS_ID:5708 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: Dense vegetation limit need to verify is an features are still pres location during the next inspection. FIELD_STRUCT_DESC: 36 inch corrug through the levee at approximately 14.5 There is a flapgate located on the water (USACE-1962) This entry matches the D Irrigation Structure referenced in O&M m 17.06). FS Date: 4/24/2012	sent at th ated meta feet belo ward side Orainage	ection will is al pipe w crown. e. or	39.406410° 3 121.794600° -12	9.406410 ° 286 1.794600 °

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

	Wa	aterway		Bank	Unit Miles	Inspection Start/End	Inspector
	Unit No. 02	Cheroke	ee Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffey
Levee Mile Start End Cate	gory Item	Rating ** + Location *	Action/Comment			GPS Latitude/L	ongitude Issue No. End Photo
²⁸¹ 17.06 17.06 Supple	emental DWR UCIP Field Study	LS M En	Inspector Comments: FS_ID:3763 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Dense vegetation on restricted the field inspection at this cros FIELD_STRUCT_DESC: 30-inch corrug through the levee, 14.7 feet below the ci the waterward end. Walkway and slide of landward end. Concrete "U" headwalls of (USACE-1960). FS Date: 4/26/2012 10:42:00 AM	ssing. ated met rown. Flap gate locat	s al pipe o gate on ed on the	39.406401° 39.406400° 39.406600° 39.406600° 39.406600° 39.406600° 39.406600° 39.406600° 39.406600° 39.406600° 39.406600° 39.406600° 39.406600° 39.406600° 39.406600° 39.406600° 39.406600° 39.406600° 39.406600° 39.406600° 39.406000° 39.406000° 39.406000°	9.406401° 287 1.794638° Y
²⁸² 17.06 17.06 Supple		LS M	Inspector Comments: FS_ID:5572				9.406410 ° 288
	Field Study	En	EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: Dense vegetation limi need to verify is an features are still pre- location during the next inspection. FIELD_STRUCT_DESC: 36 inch corrug through the levee at approximately 14.5 There is a flapgate located on the water (USACE-1962) This entry matches the I Irrigation Structure referenced in O&M n 17.06). FS Date: 4/24/2012	ated meta feet beloward side Drainage	ction will is al pipe w crown.	121.794600 ° -12	1.794600°
						DWR ID: DWR_MA001	3_02_f _ 2013_288
283 17.06 17.06 Supple	emental DWR UCIP Field Study	LS M En	Inspector Comments: FS_ID:3449 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: FIELD_STRUCT_DESC: 36 inch corrug through the levee at approximately 14.5 There is a flapgate located on the water (USACE-1962) This entry matches the I Irrigation Structure referenced in O&M n 17.06). FS Date: 4/24/2012	feet beloward side Orainage	al pipe w crown.	39.406410 ° 39.121.794600 ° -12	

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

	Wat	terway		Bank	Unit Miles	Inspection Start/End	Inspector
	Unit No. 02 C	heroke	ee Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffey
Levee Mile Start End Category	Item	Rating ** + Location *	Action/Comment			GPS Latitude/L	Longitude Issue No. End Photo
284 17.06 17.06 Supplemental	DWR UCIP Field Study	LS M En	Inspector Comments: FS_ID:3446 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: FIELD_STRUCT_DESC: 36 inch corrug through the levee at approximately 14.5 There is a flapgate located on the waten (USACE-1962) This entry matches the D Irrigation Structure referenced in O&M m 17.06). FS Date: 4/24/2012	feet belo ward side Orainage	al pipe w crown. e. or	121.794600 ° -12	
285 17.06 17.06 Supplemental	DWR UCIP Field Study	LS M En	Inspector Comments: FS_ID:4805 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Dense vegetation on trestricted the field inspection at this crosphotos of cleared WS and LS slopes. FIELD_STRUCT_DESC: 30-inch corrugthrough the levee, 14.7 feet below the crithe waterward end. Walkway and slide glandward end. Concrete "U" headwalls of (USACE-1960). FS Date: 4/24/2012	ssing. Ne ated met own. Fla pate locat	s ed al pipe p gate on ed on the	DWR ID: DWR_MA00* 39.406401 ° 3 121.794640 ° -12	9.406401 ° 291 1.794640 °
²⁸⁶ 17.06 17.06 Supplemental	DWR UCIP Field Study	LS M En	Inspector Comments: FS_ID:4242 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Dense vegetation on trestricted the field inspection at this crosphotos of cleared WS and LS slopes. FIELD_STRUCT_DESC: 30-inch corrugthrough the levee, 14.7 feet below the crothe waterward end. Walkway and slide glandward end. Concrete "U" headwalls of (USACE-1960). FS Date: 4/26/2012 10:42:00 AM	ssing. Net ated met rown. Fla gate locat	s ed al pipe p gate on ed on the	39.406401° 3 121.794638°-12	9.406401 ° 292 1.794638 °

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway		Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cherok	ee Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffey
Levee Mile Start End Category Item	Action/Comment			GPS Latitude/I	Longitude Issue No. End Photo
287 17.06 17.06 Supplemental DWR UCIP LS M Field Study En		ssing. Ne nd appurt ated met rown. Fla gate locat	s ed ances. al pipe p gate on ed on the	121.794640°-12	
288 17.06 17.06 Supplemental DWR UCIP LS M Field Study	'	ssing. Nead appurt lated met rown. Fla gate locat	s ed ances. al pipe p gate on ed on the	DWR ID: DWR_MA00: 39.406401 ° 3 121.794640 ° -12	9.406401 ° 294 1.794640 °
289 17.06 17.06 Supplemental DWR UCIP LS M Field Study		ssing. Ne nd pection. ated met rown. Fla gate locat	s ed al pipe p gate on ed on the		9.406401 ° 295 1.794640 °

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

				Wa	terwa	ау		Bank	Unit Miles	Inspection Start/End	Inspec	tor
				Unit No. 02 C	Cher	oke	e Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffe	
LMR No.	Leve	e Mile End	Category	Item	Location	Rating	Action/Comment			GPS Latitude/L	ongitude End	Issue No. Photo
290	17.06	17.06	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:5828 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Dense vegetation on trestricted the field inspection at this crosphotos of cleared WS and LS slopes, an FIELD_STRUCT_DESC: 30-inch corrugthrough the levee, 14.7 feet below the crothe waterward end. Walkway and slide glandward end. Concrete "U" headwalls of (USACE-1960). FS Date: 4/24/2012	sing. Nead appurt ated met rown. Fla pate locat	s ed ances. al pipe p gate on ed on the	39.406401 ° 39.406401 ° -12		296
291	17.55	17.66	Earthen Levee	Encroachments	LS	M En	TR : Tree or limb			39.401937 ° 39.401937 ° -121.801512 ° -12	9.400881 ° 1.803139 °	5 Y
292	18.37	18.37	Supplemental	DWR UCIP Field Study	LS		Inspector Comments: FS_ID:3765 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Dense vegetation limit inspection. FIELD_STRUCT_DESC: 36-inch corrug through the levee, 13.2 feet below the cr the waterward end. Concrete "U" headw. (USACE-1960). This entry matches the I Irrigation Structure referenced in O&M m 18.37). FS Date: 4/26/2012 10:28:00 AM	ated met rown. Fla alls on bo Drainage	al pipe p gate on oth ends or	39.394406° 3: -121.813178° -12		Y
293	18.37	18.37	Supplemental	DWR UCIP Field Study	LS		Inspector Comments: FS_ID:3764 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 36-inch corrug through the levee, 13.2 feet below the cr the waterward end. Concrete "U" headw. (USACE-1960). This entry matches the I Irrigation Structure referenced in O&M m 18.37). FS Date: 4/26/2012 10:28:00 AM	own. Fla alls on bo Drainage	al pipe p gate on oth ends or	39.394406 ° 3: -121.813178 ° -12	9.394406 ° 1.813178 °	298

Bank Unit Miles Inspection Inspector

Flood Control Project Maintenance Levee Inspections

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

		Wa	aterwa	ay		Bank	Unit Miles	Start/End	Inspec	ctor
		Unit No. 02	Cher	oke	e Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffe	
Levee Mile	Category	Item	Location *	Rating	Action/Comment			GPS Latitude/	∟ongitude	INO.
Start End			on on	+ 9				Start	End	Phot
²⁹⁴ 18.37 18.37		Field Study	LS	M En	Inspector Comments: FS_ID:4806 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection on slopes due to dense vegetation. Need p WS and LS slopes. This crossing was lis USACE Periodic Inspection report as Co USACE_CESPK_M13E_2011_p_0134 f culvert size on LS and no outlet visible of FIELD_STRUCT_DESC: 36-inch corrug through the levee, 13.2 feet below the or the waterward end. Concrete "U" headw (USACE-1960). This entry matches the Irrigation Structure referenced in O&M m 18.37).	hotos of costed in the prop's insperior unknown WS. ated metalls on both Drainage	LS cleared e ect ID# wn al pipe p gate on oth ends or	39.394406 ° 3 121.813180 ° -12	9.394406° 11.813180°	
					FS Date: 4/24/2012			DWR ID: DWR_MA00	13_02_f _ 2013 _.	_299
295 18.37 18.37	Supplemental	DWR UCIP Field Study	LS		Inspector Comments: FS_ID:15618 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection on slopes due to dense vegetation. Need p WS and LS slopes. This crossing was lis USACE Periodic Inspection report as Co USACE_CESPK_M13E_2011_p_0134 f culvert size on LS and no outlet visible of LS slope cleared of vegeatation and is in WS is still vegetated. LS pipe end under blocked off by plywood so unable to mea FIELD_STRUCT_DESC: 36-inch corrug through the levee, 13.2 feet below the or the waterward end. Concrete "U" headw (USACE-1960). This entry matches the Irrigation Structure referenced in O&M m 18.37).	hotos of costed in the present or unknown WS.7/8 in good conwater and asure culvated metalon. Flagalls on both Drainage	LS cleared e ect ID# wn 8/2013 endition. id evert size. al pipe o gate on oth ends or	39.394406° 3 121.813180° -12	9.394406 ° 11.813180 °	

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

FS Date: 7/11/2013 8:49:14 AM

Photo

301

End

39.394406°

Flood Control Project Maintenance Levee Inspections

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cherokee Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffey
Levee Mile Category Item * The Action/Comment			GPS Latitude/L	ongitude Issue No.

Category 296 18.37 18.37 Supplemental DWR UCIP

Start

End

Item

Field Study

LS M Inspector Comments: FS ID:15616

EP_NO: N/A Repair Type: Non-Urgent

Crossing Status: Found UCIP Comments: Limited inspection on WS and LS

slopes due to dense vegetation. Need photos of cleared WS and LS slopes. This crossing was listed in the USACE Periodic Inspection report as Corp's inspect ID# USACE_CESPK_M13E_2011_p_0134 for unknown culvert size on LS and no outlet visible on WS.7/8/2013 LS slope cleared of vegeatation and is in good condition. WS is still vegetated. LS pipe end under water and blocked off by plywood so unable to measure culvert size. FIELD STRUCT DESC: 36-inch corrugated metal pipe through the levee, 13.2 feet below the crown. Flap gate on the waterward end. Concrete "U" headwalls on both ends (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 18.37).

Action/Comment

FS Date: 7/11/2013 8:46:47 AM

DWR ID: DWR_MA0013_02_f _ 2013_301 39.394406 ° 39.394406 ° 302

-121.813178 ° -121.813178 °

Start

39.394406°

-121.813180 ° -121.813180 °

²⁹⁷ 18.37 18.37 Supplemental DWR UCIP Field Study LS M Inspector Comments: FS_ID:4243

EP NO: N/A En

Repair Type: Non-Urgent Crossing Status: Found

UCIP Comments: Limited inspection on WS and LS slopes due to dense vegetation. Need photos of cleared WS and LS slopes. This crossing was listed in the USACE Periodic Inspection report as Corp's inspect ID# USACE_CESPK_M13E_2011_p_0134 for unknown culvert size on LS and no outlet visible on WS. FIELD_STRUCT_DESC: 36-inch corrugated metal pipe through the levee, 13.2 feet below the crown. Flap gate on the waterward end. Concrete "U" headwalls on both ends (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 18.37). FS Date: 4/26/2012 10:28:00 AM

DWR ID: DWR_MA0013_02_f _ 2013_302

LS: Land Side WS: Water Side CR: Crown

Location

Rating

Minimally Acceptable U: Unacceptable

N : Not Inspected/Rated Corrected : Acceptable but Monitor & Maintain + Issue Type

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Unit No. 02 Cherokee Canal Left 23.10 10/31/2013 10/31/2013 Levee Mile Start End 298 18.37 18.37 Supplemental DWR UCIP Field Study Start End Left 23.10 10/31/2013 10/31/2013 Action/Comment Start End Sta
Start End End Start End End Start End End Start End En
Field Study En EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection on WS and LS slopes due to dense vegetation. Need photos of cleared WS and LS slopes. This crossing was listed in the USACE Periodic Inspection report as Corp's inspect ID# USACE_CESPK_M13E_2011_p_0134 for unknown culvert size on LS and no outlet visible on WS. FIELD_STRUCT_DESC: 36-inch corrugated metal pipe through the levee, 13.2 feet below the crown. Flap gate on
the waterward end. Concrete "U" headwalls on both ends (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 18.37). FS Date: 4/24/2012
299 18.37 18.37 Supplemental DWR UCIP Field Study Fiel
(USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 18.37). FS Date: 7/11/2013 8:44:25 AM

* Location

LS: Land Side

WS: Water Side

CR: Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

En

+ Issue Type
Ma : Mainter

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Levee

-121.830565 ° -121.838543 °

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway					Unit Miles	Inspection Start/End	Inspector	
Unit No. 02 Cherokee Canal					23.10	10/31/2013 10/31/2013	Bob Duffey	
Levee Mile No. Start End Category	Item * tocation	Rating	Action/Comment			GPS Latitude/L	ongitude Issue No. End Photo	
301 20.15 20.15 Supplemental DW			Inspector Comments: FS_ID:3420 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 30-inch corrugathrough the levee, 13.1 feet below the crite waterward end. Concrete "U" headward (USACE-1960). This entry matches the I Irrigation Structure referenced in O&M m 20.15). FS Date: 4/24/2012	own. Fla _l alls on bo Drainage	al pipe p gate on oth ends or	39.378198 ° 39.378198 ° 305 121.838566 ° -121.838566 °		
302 20.15 20.15 Supplemental DW Field	R UCIP LS d Study	M En	Inspector Comments: FS_ID:3767 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Erosion behind WS he vegetation limited visual inspection of cro FIELD_STRUCT_DESC: 30-inch corruga through the levee, 13.1 feet below the cr the waterward end. Concrete "U" headw. (USACE-1960). This entry matches the I Irrigation Structure referenced in O&M m 20.15). FS Date: 4/24/2012	ossing. ated meta own. Flap alls on bo Orainage		39.378198 ° 39.378198 ° 306 21.838566 ° -121.838566 ° Y		
303 20.15 20.15 Supplemental DW Field	R UCIP LS d Study	M En	Inspector Comments: FS_ID:3345 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 30-inch corrugathrough the levee, 13.1 feet below the crithe waterward end. Concrete "U" headward (USACE-1960). This entry matches the Irrigation Structure referenced in O&M m 20.15). FS Date: 4/24/2012	own. Fla _l alls on bo Drainage	al pipe p gate on oth ends or	.121.838566°-12		
304 20.15 20.15 Supplemental DW Field	R UCIP LS d Study	M En	Inspector Comments: FS_ID:3343 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 30-inch corrugathrough the levee, 13.1 feet below the crite waterward end. Concrete "U" headward (USACE-1960). This entry matches the Irrigation Structure referenced in O&M m 20.15). FS Date: 4/24/2012	own. Fla _l alls on bo Drainage	al pipe p gate on oth ends or	.121.850486 ° -12	9.370676° 308 1.850486°	
						DWR ID: DWR_MA001	3_02_f _ 2013_308	
* Location ** Rating	rentable	N · N	+ Issue Type	a Deficiance	,			

LS: Land Side

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

Flood Control Project Maintenance Levee Inspections

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

W	Bank	Unit Miles	Inspection Start/End	Inspector		
Unit No. 02	Left	23.10	10/31/2013 10/31/2013	Bob Duffey		
Levee Mile Category Item	Rating ** + Location *	Action/Comment			GPS Latitude/L	ongitude Issue No. End Phot
305 20.15 20.15 Supplemental DWR UCIP Field Study	LS M En	Inspector Comments: FS_ID:15623 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Erosion present behir Limited inspection on WS and LS slopes vegetation. Need photos of cleared WS during next inspection. 7/8/2013 Erosior as last inspection. WS and LS slopes h of vegetation and are in good shape. FIELD_STRUCT_DESC: 30-inch corrug through the levee, 13.1 feet below the co the waterward end. Concrete "U" headw (USACE-1960). This entry matches the Irrigation Structure referenced in O&M n 20.15). FS Date: 7/11/2013 8:58:16 AM	s due to c and LS s n problem ave been ated met rown. Fla alls on bo Drainage	adwall. lense lopes same cleared al pipe p gate on oth ends or	39.378198 ° 3:121.838570 ° -12	
306 20.15 20.15 Supplemental DWR UCIP Field Study	LS M En	Inspector Comments: FS_ID:4245 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Erosion behind WS h inspection on WS and LS slopes due to Need photos of cleared WS and LS slop inspection. Need to determine the exten severity on WS. FIELD_STRUCT_DESC: 30-inch corrug through the levee, 13.1 feet below the ci the waterward end. Concrete "U" headw (USACE-1960). This entry matches the Irrigation Structure referenced in O&M n 20.15). FS Date: 4/24/2012	dense verses during t of the er ated met rown. Fla- ralls on bo Drainage	Limited egetation. g next rosion al pipe p gate on oth ends or	39.378198 ° 3: 121.838566 ° -12	
307 20.15 20.15 Supplemental DWR UCIP Field Study	LS M En	Inspector Comments: FS_ID:4246 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Fix erosion behind W Limited inspection on WS and LS slopes vegetation. Need photos of cleared WS during next inspection. FIELD_STRUCT_DESC: 30-inch corrug through the levee, 13.1 feet below the co the waterward end. Concrete "U" headw (USACE-1960). This entry matches the Irrigation Structure referenced in O&M in 20.15). FS Date: 4/24/2012	and LS s and LS s ated met rown. Fla alls on bo Drainage	all. dense lopes al pipe p gate on oth ends or		9.378198° 311
		F5 Date: 4/24/2012			DWR ID: DWR_MA001	3_02_f _ 2013_311

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

1	Bank	Unit Miles	Inspection Start/End	Inspector			
Unit No. 02	Left	23.10	10/31/2013 10/31/2013	Bob Duffey			
Levee Mile Category Item	Rating ** + Location *	Action/Comment			GPS Latitude/L	Longitude Issue No. End Photo	
308 20.15 20.15 Supplemental DWR UCIP Field Study	LS M En	Inspector Comments: FS_ID:15621 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Erosion present behi Limited inspection on WS and LS slope vegetation. Need photos of cleared WS during next inspection. 7/8/2013 Erosio as last inspection. WS and LS slopes of vegetation and are in good shape. FIELD_STRUCT_DESC: 30-inch corruct through the levee, 13.1 feet below the of the waterward end. Concrete "U" headw (USACE-1960). This entry matches the Irrigation Structure referenced in O&M in 20.15). FS Date: 7/11/2013 8:53:29 AM	as due to commend and LS son problem nave been gated meterown. Fla walls on be Drainage	eadwall. dense slopes n same n cleared all pipe p gate on oth ends	39.378198 ° 39.378198 ° 312 -121.838570 ° -121.838570 °		
309 20.15 20.15 Supplemental DWR UCIP Field Study	LS M En	Inspector Comments: FS_ID:5577 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Erosion present behin Limited inspection on WS and LS slope vegetation. Need photos of cleared WS during next inspection. FIELD_STRUCT_DESC: 30-inch corruct through the levee, 13.1 feet below the of the waterward end. Concrete "U" headw (USACE-1960). This entry matches the Irrigation Structure referenced in O&M in 20.15). FS Date: 4/24/2012	es due to de and LS segated met crown. Fla valls on be Drainage	eadwall. dense slopes al pipe p gate on oth ends	39.378198° 3 121.838570°-12	9.378198° 313 1.838570°	
310 20.15 20.15 Supplemental DWR UCIP Field Study	LS M En	Inspector Comments: FS_ID:15622 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Erosion present behi Limited inspection on WS and LS slopes vegetation. Need photos of cleared WS during next inspection. VS and LS slopes of vegetation and are in good shape. FIELD_STRUCT_DESC: 30-inch corrug through the levee, 13.1 feet below the of the waterward end. Concrete "U" headw (USACE-1960). This entry matches the Irrigation Structure referenced in O&M in 20.15). FS Date: 7/11/2013 8:55:48 AM	es due to de and LS son problem nave beer gated met crown. Fla walls on be Drainage	eadwall. dense slopes n same n cleared al pipe p gate on oth ends	DWR ID: DWR_MA001 39.378198 ° 3: 121.838570 ° -12	9.378198° 314 1.838570°	
					שעאר וח: אאר MA001	3_02_1 _ 2013_314	

* Location LS: Land Side WS : Water Side CR : Crown Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

Flood Control Project Maintenance Levee Inspections

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway						Unit Miles	Inspection Start/End	Inspector	
Unit No. 02 Cherokee Canal Left 23.						23.10	10/31/2013 10/31/2013	Bob Duffey	
Levee Mile	.,	Loca	Rat *	A 11 10 1	GPS Latitude/L	ongitude Issue No.			
Start End Category	Item	Location	Rating ** +	Action/Comment			Start	End Photo	
311 20.15 20.15 Supplement	al DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:5268 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Erosion present behin Limited inspection on WS and LS slopes vegetation. Need photos of cleared WS during next inspection. FIELD_STRUCT_DESC: 30-inch corrug through the levee, 13.1 feet below the cr the waterward end. Concrete "U" headw (USACE-1960). This entry matches the Irrigation Structure referenced in O&M m 20.15). FS Date: 4/24/2012	and LS s ated met own. Fla alls on bo Drainage	adwall. lense lopes al pipe p gate on oth ends or	39.378198 ° 39.378198 ° 315 -121.838570 ° -121.838570 °		
312 20.15 20.15 Supplement	al DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:5609 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Erosion present behin Limited inspection on WS and LS slopes vegetation. Need photos of cleared WS during next inspection. FIELD_STRUCT_DESC: 30-inch corrug through the levee, 13.1 feet below the cr the waterward end. Concrete "U" headw (USACE-1960). This entry matches the Irrigation Structure referenced in O&M m 20.15). FS Date: 4/24/2012	and LS s ated met own. Fla alls on bo Drainage	adwall. lense lopes al pipe p gate on oth ends or	39.378198 ° 39.378198 ° 316 -121.838570 ° -121.838570 °		
313 20.72 20.99 Earthen Levee	Trim / Thin Trees	LS	M Ma	T1 : Trim trees to at least five feet above	e ground		39.372724 ° 39.121.846022 ° -121.846022 ° -121.8460013	0.370732 ° 6 .850282 ° Y	
314 21.00 21.00 Supplement	al DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:5578 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: WS slide gate handle collars severly damagesection missing repair need to coordinate with applicant. FIELD_STRUCT_DESC: 1 of 3: 16-inch encased in reinforced concrete through to below the crown. Concrete "U" headwall Slide gates on corrugated metal pipe risk waterward slope. Pump structure on the (USACE-1960). This entry matches the Irrigation Structure referenced in O&M m 21.00). FS Date: 4/24/2012	steel pip the levee on both ers on th waterwa Drainage	LS pipe g needs es , 9.7 feet ends. e rd end or	39.370676 ° 39.121.850490 ° -121		

Location LS: Land Side WS : Water Side CR : Crown Rating A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway		Bank	Unit Miles	Inspection Start/End	Inspec	ctor
Unit No. 02 Cherokee Canal		Left	23.10	10/31/2013 10/31/2013	Bob Duffe	
Levee Mile Start End Category Item	Action/Comment			GPS Latitude/L	ongitude End	Issue No. Photo
315 21.00 21.00 Supplemental DWR UCIP Field Study LS U Inspector Comm EP_NO: N/A Repair Type: Ur Crossing Status UCIP Comment section missing, same condition. coordinate with missing.7/8/201 FIELD_STRUCT encased in reinf below the crowr Slide gates on o waterward slope (USACE-1960).	Found S: LS pipe collars sever Buried section of pipe Crossing needs to be rapplicant. WS slide gate 3 Same as last inspect page 2. 16-inch orced concrete through of Concrete "U" headwal orrugated metal pipe rist. Pump structure on the This entry matches the are referenced in O&M rate of pipe 2.	could be i epair will i e handle ion. In steel pip the levee I on both sers on the waterwa Drainage	ged n the need to es , 9.7 feet ends. e rd end or		9.370676 ° 1.850490 °	318 Y
Field Study En EP_NO: N/A Repair Type: No Crossing Status UCIP Comment collars severly of repair need to or FIELD_STRUCT encased in reinf below the crown Slide gates on of waterward slope (USACE-1960).	: Found s: WS slide gate handle amagesection missing coordinate with applicant r_DESC: 1 of 3: 16-inch orced concrete through . Concrete "U" headwal orrugated metal pipe ris . Pump structure on the This entry matches the ure referenced in O&M r	g. Crossin steel pip the levee I on both eers on the waterwa Drainage	LS pipe g needs es , 9.7 feet ends. e rd end or	39.370676 ° 39.370676 ° -12	9.370676 ° 1.850486 °	319
Field Study En EP_NO: N/A Repair Type: No Crossing Status UCIP Comment collars severly of repair need to or FIELD_STRUCT encased in reinf below the crown Slide gates on of waterward slope (USACE-1960).	: Found s: WS slide gate handle amagesection missing pordinate with applicant r_DESC: 1 of 3: 16-inch orced concrete through . Concrete "U" headwal orrugated metal pipe ris . Pump structure on the This entry matches the ure referenced in O&M r	g. Crossin steel pip the levee I on both sers on the waterwa Drainage	LS pipe g needs es , 9.7 feet ends. e rd end or	39.370676° 3: -121.850486° -12		320

* Location

LS: Land Side

WS: Water Side

CR: Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Mainter
Oh : Design

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cherokee Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffey
Levee Mile Start End Category Item ** The start of the st	mment		GPS Latitude/L	Longitude Issue No. End Photo
Supplemental DWR UCIP Field Study Signature Field Study Supplemental DWR UCIP Field Study Signature Field Study	e handle missing missing. Crossi pplicant. 16-inch steel pi through the leven neadwall on both I pipe risers on the e on the waterwa thes the Drainago	. LS pipe ng needs pes e, 9.7 feet ends. ne ard end e or	.121.850486 ° -12	
319 21.00 21.00 Supplemental DWR UCIP Field Study Signature Field Study LS M Inspector Comments: FS_ID:42 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: WS slide gate hole present on WS. LS pipe of section missing. Crossing need with applicant. FIELD_STRUCT_DESC: 1 of 3 encased in reinforced concrete below the crown. Concrete "U" I Slide gates on corrugated meta waterward slope. Pump structur (USACE-1960). This entry match Irrigation Structure referenced in 21.00). FS Date: 4/24/2012	e handle missing illars severly dan s repair need to o 16-inch steel pi through the leven neadwall on both I pipe risers on the e on the waterwa thes the Drainago	. Sink nage coordinate pes e, 9.7 feet ends. ne ard end e or	DWR ID: DWR_MA001 39.370676 ° 3: -121.850486 ° -12	9.370676 ° 322 1.850486 °
320 21.00 21.00 Supplemental DWR UCIP Field Study Signature Field Study Supplemental DWR UCIP Field Study En EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: WS slide gate collars severly damagesection repair need to coordinate with a FIELD_STRUCT_DESC: 1 of 3 encased in reinforced concrete below the crown. Concrete "U" I Slide gates on corrugated meta waterward slope. Pump structur (USACE-1960). This entry mate Irrigation Structure referenced in 21.00). FS Date: 4/24/2012	e handle missing missing. Crossi pplicant. : 16-inch steel pi through the level neadwall on both I pipe risers on the e on the waterwathes the Drainagu	. LS pipe ng needs pes e, 9.7 feet ends. ne ard end e or	39.370676° 3: -121.850486° -12	9.370676° 323 1.850486°

* Location LS: Land Side WS : Water Side CR : Crown Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

· ·	Vaterway		Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02	2 Cheroke	e Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffey
Levee Mile Start End Category Item	Rating ** + Location **	Action/Comment			GPS Latitude/L	Longitude Issue No. End Photo
321 21.00 21.00 Supplemental DWR UCIP Field Study	LS M En	Inspector Comments: FS_ID:4262 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: WS slide gate handle hole present on WS. LS pipe collars ses section missing. Crossing needs repair with applicant. FIELD_STRUCT_DESC: 1 of 3: 16-inch encased in reinforced concrete through below the crown. Concrete "U" headwal Slide gates on corrugated metal pipe ris waterward slope. Pump structure on the (USACE-1960). This entry matches the Irrigation Structure referenced in O&M r 21.00). FS Date: 4/24/2012	verly dam- need to constant the levee I on both the sers on the waterwa Drainage	Sink age oordinate es , 9.7 feet ends. e rd end or	39.370676 ° 3: 121.850486 ° -12	
322 21.00 21.00 Supplemental DWR UCIP Field Study	LS U En	Inspector Comments: FS_ID:5721 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: LS pipe collars sever missing. Buried section of pipe could be condition. Crossing needs to be repair v coordinate with applicant. WS slide gate FIELD_STRUCT_DESC: 1 of 3: 16-incr encased in reinforced concrete through below the crown. Concrete "U" headwal Slide gates on corrugated metal pipe ris waterward slope. Pump structure on the (USACE-1960). This entry matches the Irrigation Structure referenced in O&M r 21.00). FS Date: 4/24/2012	e in the sa vill need to e handle r a steel pip the levee I on both ers on the waterwa Drainage	esection ime o nissing. es , 9.7 feet ends. e rd end or	39.370676° 3: 121.850490° -12	1.850490°
323 21.00 21.00 Supplemental DWR UCIP Field Study	LS M En	Inspector Comments: FS_ID:3769 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: LS pipes eroding beh Screw gate handle missing FIELD_STRUCT_DESC: 1 of 3: 16-inch encased in reinforced concrete through below the crown. Concrete "U" headwal Slide gates on corrugated metal pipe ris waterward slope. Pump structure on the (USACE-1960). This entry matches the Irrigation Structure referenced in O&M r 21.00). FS Date: 4/24/2012	steel pip the levee I on both eers on the waterwa Drainage	es , 9.7 feet ends. e rd end or		9.370676 ° 326

* Location
LS: Land Side
WS: Water Side
CR: Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Mainter
Oh : Design

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

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Flood Control Project Maintenance Levee Inspections

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

	W	aterwa	ay		Bank	Unit Miles	Inspection Start/End	Inspec	ctor
I	Unit No. 02	Cher	oke	e Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffe	
Levee Mile Start End Category	Item	Location *	Rating	Action/Comment			GPS Latitude	e/Longitude End	Issue No. Photo
324 21.00 21.00 Supplemental D	OWR UCIP Field Study	LS	U	Inspector Comments: FS_ID:5966 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: LS pipe collars severe section missing. Buried section of pipe c same condition. Crossing needs to be re coordinate with applicant. WS slide gate FIELD_STRUCT_DESC: 1 of 3: 16-inch encased in reinforced concrete through t below the crown. Concrete "U" headwall Slide gates on corrugated metal pipe risk waterward slope. Pump structure on the (USACE-1960). This entry matches the I Irrigation Structure referenced in O&M m 21.00). FS Date: 4/24/2012	ould be in pair will in handle in steel pip he levee on both waterward Drainage	ged n the need to nissing. es , 9.7 feet ends. e rd end or	39.370676 ° 121.850490 ° -1		
325 21.00 21.00 Supplemental D	OWR UCIP iield Study	LS		Inspector Comments: FS_ID:3780 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: LS pipes eroding behir Screw gate handle missing FIELD_STRUCT_DESC: 1 of 3: 16-inch encased in reinforced concrete through t below the crown. Concrete "U" headwall Slide gates on corrugated metal pipe rise waterward slope. Pump structure on the (USACE-1960). This entry matches the I Irrigation Structure referenced in O&M m 21.00). FS Date: 4/24/2012	steel pip he levee on both ers on the waterwal Drainage	es , 9.7 feet ends. e rd end or	39.370676 ° 121.850486 ° -1		
326 21.00 21.00 Supplemental D	OWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:5610 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: WS slide gate handle collars severly damagesection missing, repair need to coordinate with applicant. FIELD_STRUCT_DESC: 1 of 3: 16-inch encased in reinforced concrete through t below the crown. Concrete "U" headwall Slide gates on corrugated metal pipe rise waterward slope. Pump structure on the (USACE-1960). This entry matches the I Irrigation Structure referenced in O&M m 21.00). FS Date: 4/24/2012	steel pip he levee on both ers on the waterwar Drainage	LS pipe g needs es , 9.7 feet ends. e rd end or	121.850490 ° -1		
							DWR ID: DWR_MAG	0013_02_f _ 2013	_329

+ Issue Type
Ma : Mainter

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cherokee Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffey
Levee Mile Start End Category Item The Category Item The Category Start End Category Item The Category Item Item Item Item Item Item I			GPS Latitude/L	Longitude Issue No. End Photo
327 21.00 21.00 Supplemental DWR UCIP Field Study LS M Inspector Comments: FS_ID:3347 En EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: LS pipes eroding bel Screw gate handle missing FIELD_STRUCT_DESC: 1 of 3: 16-inc encased in reinforced concrete through below the crown. Concrete "U" headwa Slide gates on corrugated metal pipe ri waterward slope. Pump structure on th (USACE-1960). This entry matches the Irrigation Structure referenced in O&M 21.00). FS Date: 4/24/2012	n steel pip the levee Il on both sers on the waterwa	es , 9.7 feet ends. e rd end	39.370676° 3 121.850486° -12	9.370676° 330 1.850486°
328 21.00 21.00 Supplemental DWR UCIP Field Study LS M Inspector Comments: FS_ID:3782 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: LS pipes eroding bel screw gate handle missing. FIELD_STRUCT_DESC: 2 of 3: 16-inc encased in reinforced concrete through below the crown. Concrete "U" headwa Slide gates on corrugated metal pipe ri waterward slope. Pump structure on the (USACE-1960). This entry matches the Irrigation Structure referenced in O&M 21.00). FS Date: 4/24/2012	n steel pip the levee Il on both sers on the waterwa	ates- ee , 9.7 feet ends. e rd end	DWR ID: DWR_MA00: 39.370679 ° 3 121.850495 ° -12	9.370679° 331 1.850495°
329 21.00 21.00 Supplemental DWR UCIP Field Study LS M Inspector Comments: FS_ID:3340 En EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: LS pipes eroding bel screw gate handle missing. FIELD_STRUCT_DESC: 2 of 3: 16-inc encased in reinforced concrete through below the crown. Concrete "U" headwa Slide gates on corrugated metal pipe ri waterward slope. Pump structure on th (USACE-1960). This entry matches the Irrigation Structure referenced in O&M 21.00). FS Date: 4/24/2012	n steel pip the levee Il on both sers on the waterwa	ates- ee , 9.7 feet ends. e rd end	39.370679° 3 121.850495° -12	9.370679° 332 1.850495°

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement DWR ID: DWR_MA0013_02_f _ 2013_332

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Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector	
Unit No. 02 Cherokee Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffey	
Levee Mile Start End Category Item Category Categ			GPS Latitude/I	Longitude Issue No. End Photo	
330 21.00 21.00 Supplemental DWR UCIP Field Study By Supplemental DWR UCIP Field Study LS M En EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: LS pipes eroding behing Screw gate handle missing FIELD_STRUCT_DESC: 1 of 3: 16-inch encased in reinforced concrete through the below the crown. Concrete "U" headwall Slide gates on corrugated metal pipe ris waterward slope. Pump structure on the (USACE-1960). This entry matches the Irrigation Structure referenced in O&M in 21.00). FS Date: 4/24/2012	steel pip the levee on both ers on the waterwa Drainage	es , 9.7 feet ends. e rd end	39.370687 ° 3.121.850481 ° -12		
Screw gate handle missing FIELD_STRUCT_DESC: 1 of 3: 16-inch encased in reinforced concrete through below the crown. Concrete "U" headwall Slide gates on corrugated metal pipe ris waterward slope. Pump structure on the (USACE-1960). This entry matches the	EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: LS pipes eroding behind flapgates- Screw gate handle missing FIELD_STRUCT_DESC: 1 of 3: 16-inch steel pipes encased in reinforced concrete through the levee, 9.7 feet below the crown. Concrete "U" headwall on both ends. Slide gates on corrugated metal pipe risers on the waterward slope. Pump structure on the waterward end (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 21.00).				
332 21.00 21.00 Supplemental DWR UCIP Field Study LS U Inspector Comments: FS_ID:15628 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: Sink hole present on v collars severely damagedsection missi needs repair. Need to coordinate with ov Same as last inspection. FIELD_STRUCT_DESC: 3 of 3: 16-inch encased in reinforced concrete through of below the crown. Concrete "U" headwall Slide gates on corrugated metal pipe ris waterward slope. Pump structure on the (USACE-1960). This entry matches the Irrigation Structure referenced in O&M m 21.00). FS Date: 7/11/2013 9:04:10 AM	steel pip the levee on both ers on the waterwa Drainage	pipe sing 2013 re y, 9.7 feet ends. e rd end	39.370679° 3 -121.850500° -12	1.850500°	

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Unit No. 02 Cherokee Canal Left 23.10 1031/2013 Bob_Duffey		Wat	terway		Bank	Unit Miles	Inspection Start/End	Inspector
23. 21.00 21.00 Supplemental DWR UCIP Field Study Beginner of the control of the		Unit No. 02 C	Cheroke	e Canal	Left	23.10		
Field Study Field Fiel	Levee Mile Start End Category	Item	Rating ** + Location *	Action/Comment				No.
334 21.00 21.00 Supplemental DWR UCIP Field Study Sep_No: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: LS pipe collars severly damage—section missing. Crossing needs repair need to coordinate with applicant.	333 21.00 21.00 Supplementa			EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: LS pipe collars severe section missing. Crossing needs repair. coordinate with owner.7/8/2013 Same a FIELD_STRUCT_DESC: 2 of 3: 16-inch encased in reinforced concrete through a below the crown. Concrete "U" headwall Slide gates on corrugated metal pipe ris waterward slope. Pump structure on the (USACE-1960). This entry matches the Irrigation Structure referenced in O&M m 21.00).	Will need as last instance steel pipt the levee on both ers on the waterwa	ged d to spection. e , 9.7 feet ends. e rd end	-121.850500 ° -12	1.850500 °
335 21.00 21.00 Supplemental DWR UCIP Field Study LS M En EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: LS pipe collars severly damagesection missing. Crossing needs repair need to coordinate with applicant. FIELD_STRUCT_DESC: 2 of 3: 16-inch steel pipe encased in reinforced concrete through the levee, 9.7 feet below the crown. Concrete "U" headwall on both ends. Slide gates on corrugated metal pipe risers on the waterward slope. Pump structure on the waterward end (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 21.00).	334 21.00 21.00 Supplementa			EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: LS pipe collars severly missing. Crossing needs repair need to a applicant. FIELD_STRUCT_DESC: 2 of 3: 16-inch encased in reinforced concrete through a below the crown. Concrete "U" headwall Slide gates on corrugated metal pipe ris waterward slope. Pump structure on the (USACE-1960). This entry matches the Irrigation Structure referenced in O&M m 21.00).	steel pip the levee on both ers on th waterwa Drainage	esection te with ee , 9.7 feet ends. e rd end	39.370679° 39.41.850500° -12	9.370679 ° 337 1.850500 °
DWR ID: DWR MA0013 02 f 2013 338	335 21.00 21.00 Supplementa			EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: LS pipe collars severly missing. Crossing needs repair need to a applicant. FIELD_STRUCT_DESC: 2 of 3: 16-inch encased in reinforced concrete through a below the crown. Concrete "U" headwall Slide gates on corrugated metal pipe ris waterward slope. Pump structure on the (USACE-1960). This entry matches the lirigation Structure referenced in O&M m 21.00).	steel pip the levee on both ers on th waterwa Drainage	esection te with ee , 9.7 feet ends. e rd end	39.370679° 39. -121.850495° -12	9.370679° 338 1.850495°

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Levee Mile Start End		Linit No. 02						Start/End		
Levee Mile Start End	Unit No. 02 Cherokee Canal Left 23.10							10/31/2013 10/31/2013	Bob Duffe	
	Category	Item	Location	Rating	Action/Comment			GPS Latitude/L	ongitude End	Issue No. Photo
336 21.00 21.00	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:5612 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Sink hole present on N collars severly damage—section missing repair need to coordinate with applicant. FIELD_STRUCT_DESC: 3 of 3: 16-inch encased in reinforced concrete through the below the crown. Concrete "U" headwall Slide gates on corrugated metal pipe risk waterward slope. Pump structure on the (USACE-1960). This entry matches the Irrigation Structure referenced in O&M m 21.00). FS Date: 4/24/2012	steel pipe the levee, on both e ers on the waterwar Drainage	ipe g needs e 9.7 feet ends. d end or		9.370679°	
337 21.00 21.00	Supplemental	I DWR UCIP Field Study	LS	U En	Inspector Comments: FS_ID:5686 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: Sink hole present on Note of the Comments	steel pipe the levee, on both e ers on the waterwar Drainage	ipe g needs e 9.7 feet ends. e d end or	DWR ID: DWR_MA00: 39.370679 ° 3 121.850500 ° -12	9.370679 ° 1.850500 °	340
338 21.00 21.00	Supplemental	DWR UCIP Field Study	LS	U En	Inspector Comments: FS_ID:15626 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: LS pipe collars severe section missing. Crossing needs repair. coordinate with owner.7/8/2013 Same a FIELD_STRUCT_DESC: 2 of 3: 16-inch encased in reinforced concrete through below the crown. Concrete "U" headwall Slide gates on corrugated metal pipe risk waterward slope. Pump structure on the (USACE-1960). This entry matches the Irrigation Structure referenced in O&M m 21.00). FS Date: 7/11/2013 9:02:36 AM	Will need as last ins steel pipe the levee, on both eers on the waterward Drainage	to pection. e 9.7 feet ends. e d end or	39.370679° 3 121.850500° -12		

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

		Waterway		Bank	Unit Miles	Inspection Start/End	Inspector
	Unit No. 0	2 Cheroke	ee Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffey
Levee Mile Start End Category	Item	Rating ** + Location *	Action/Comme	nt		GPS Latitude/	Longitude Issue No. End Photo
339 21.00 21.00 Supplementa	al DWR UCIP Field Study	LS U En	Inspector Comments: FS_ID:5685 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: LS pipe collars sev missing. Crossing needs repair. Will with applicant. FIELD_STRUCT_DESC: 2 of 3: 16-ir encased in reinforced concrete throughelow the crown. Concrete "U" headv Slide gates on corrugated metal pipe waterward slope. Pump structure on the comment of	need to coo ch steel pip gh the levee vall on both risers on the he waterwane Drainage	esection rdinate be e, 9.7 feet ends. e eurd end	39.370679 ° 3 -121.850500 ° -12	
340 21.00 21.00 Supplementa	al DWR UCIP Field Study	LS M En	Inspector Comments: FS_ID:4276 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Sink hole present of collars severly damage—section missing repair need to coordinate with application of the collars severly damage—section missing repair need to coordinate with application of the collars severly damage—section missing repair need to coordinate with application of the coordinat	ing. Crossir nt. ich steel pip gh the levee vall on both risers on the he waterwane Drainage	poipe ng needs pe e, 9.7 feet ends. e urd end		9.370679° 343 1.850495°
341 21.00 21.00 Supplementa	al DWR UCIP Field Study	LS U En	Inspector Comments: FS_ID:5968 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: Sink hole present of collars severely damagedsection meeds repair. Need to coordinate with FIELD_STRUCT_DESC: 3 of 3: 16-in encased in reinforced concrete through below the crown. Concrete "U" heads Slide gates on corrugated metal pipe waterward slope. Pump structure on (USACE-1960). This entry matches to Irrigation Structure referenced in O&R 21.00). FS Date: 4/24/2012	ssing. Cros owner. ch steel pip gh the levee vall on both risers on the he waterwane Drainage	poipe ssing pe e, 9.7 feet ends. e urd end		9.370679 ° 344 1.850500 °

* Location LS: Land Side WS : Water Side CR : Crown Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

		Water	way				Bank	Unit Miles	Inspection	Inspe	ctor
									Start/End 10/31/2013	Bol	
	Unit N	lo. 02 Ch		e Canal			Left	23.10	10/31/2013	Duff	
Levee Mile Start End Cate	egory Ite	em *	Rating ** +		Action/C	Comment			GPS Latitude	e/Longitude End	No.
342 21.00 21.00 Supple	emental DWR U Field St	CIP L	•	collars severly repair need to FIELD_STRUC encased in reir below the crow Slide gates on waterward slop (USACE-1960)	Ion-Urgent s: Found nts: Sink hole p damagesectic coordinate with CT_DESC: 3 of nforced concret n. Concrete "U corrugated me be. Pump struct). This entry ma ture referenced	resent on Von missing, applicant. 3: 16-inch e through t headwall tal pipe rise ture on the atches the I	steel pip he levee on both ers on the waterwa Drainage	e pipe g needs e pends. e rd end or	39.370679 ° -121.850495 ° -	39.370679 ° 121.850495 °	345
343 21.00 21.00 Supple	emental DWR U Field St		S M En	above pump (b FIELD_STRUC encased in reir below the crow Slide gates on waterward slop (USACE-1960)	Ion-Urgent s: Found nts: See notes of between screwg CT_DESC: 3 of nforced concret no. Concrete "U corrugated me be. Pump struct). This entry ma ture referenced	on LM 21.0 gate & pum 3: 16-inch e through t " headwall tal pipe rise ture on the atches the I	p). steel pip he levee on both ers on the waterwa Drainage	ole e , 9.7 feet ends. e rd end or	39.370679° -121.850495° -		
344 21.00 21.00 Supple	emental DWR U Field St		S M En	collars severly repair need to FIELD_STRUC encased in reir below the crow Slide gates on waterward slop (USACE-1960)	Ion-Urgent is: Found its: Sink hole p damagesectic coordinate with CT_DESC: 3 of forced concret in. Concrete "U corrugated me be. Pump struct j. This entry ma ture referenced	resent on Von missing, applicant. 3: 16-inch e through t " headwall tal pipe rise ture on the atches the I	steel pip he levee on both ers on the waterwa Drainage	e pipe g needs e pipe	39.370679° -121.850495° -		

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

		Waterway		Bank	Unit Miles	Inspection Start/End	Inspector
	Unit No. 0	2 Cheroke	ee Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffey
Levee Mile Start End Category	Item	Rating ** + Location *	Action/Comment			GPS Latitude/I	Longitude Issue No. End Photo
345 21.00 21.00 Supplementa	al DWR UCIP Field Study	LS M En	Inspector Comments: FS_ID:4261 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: LS pipe collars severl missing. Crossing needs repair need to applicant. FIELD_STRUCT_DESC: 2 of 3: 16-inch encased in reinforced concrete through below the crown. Concrete "U" headwall Slide gates on corrugated metal pipe ris waterward slope. Pump structure on the (USACE-1960). This entry matches the Irrigation Structure referenced in O&M n 21.00). FS Date: 4/24/2012	steel pip the levee on both ers on the waterwa Drainage	esection e with e , 9.7 feet ends. e rd end or	39.370679 ° 3.121.850495 ° -12	
346 21.00 21.00 Supplementa	al DWR UCIP Field Study	LS M En	Inspector Comments: FS_ID:4266 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: LS pipe collars severl missing. Crossing needs repair need to applicant. FIELD_STRUCT_DESC: 2 of 3: 16-inch encased in reinforced concrete through below the crown. Concrete "U" headwall Slide gates on corrugated metal pipe ris waterward slope. Pump structure on the (USACE-1960). This entry matches the Irrigation Structure referenced in O&M n 21.00). FS Date: 4/24/2012	steel pip the levee on both ers on the waterwa Drainage	esection e with e , 9.7 feet ends. e rd end or	39.370679° 3 .121.850495° -12	9.370679° 349 1.850495°
347 21.00 21.00 Supplementa	al DWR UCIP Field Study	LS M En	Inspector Comments: FS_ID:4274 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: LS pipe collars severl missing. Crossing needs repair need to applicant. FIELD_STRUCT_DESC: 2 of 3: 16-inch encased in reinforced concrete through below the crown. Concrete "U" headwall Slide gates on corrugated metal pipe ris waterward slope. Pump structure on the (USACE-1960). This entry matches the Irrigation Structure referenced in O&M n 21.00). FS Date: 4/24/2012	steel pip the levee on both ers on the waterwa Drainage	esection e with e , 9.7 feet ends. e rd end or	DWR ID: DWR_MA00 39.370679 ° 3 .121.850495 ° -12	9.370679° 350 1.850495°

* Location LS : Land Side WS : Water Side CR : Crown ** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Mainter

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

			Waten	vay		Bank	Unit Miles	Inspection	Inspector
		Unit No.	02 Ch	erok	ee Canal	Left	23.10	Start/End 10/31/2013 10/31/2013	Bob Duffey
Levee Mile Start End	Category	Item	* 5	Rating ** +	Action/Comment			GPS Latitude/	Longitude Issue No. End Photo
348 21.00 21.00	Supplemental	DWR UCIP Field Study	L	S M En		crossing steel pipe he levee on both ears on the waterward Drainage	ipe g needs e , 9.7 feet ends. e rd end or	.121.850495 ° -1	
349 21.00 21.00	Supplemental	DWR UCIP Field Study	L	S U En		steel piphe levee on both eers on the waterward Drainage	esection e with e , 9.7 feet ends. e rd end or	39.370679 ° :: 121.850495 ° -12	39.370679 ° 352 21.850495 °
350 21.00 21.00	Supplemental	DWR UCIP Field Study	L	S M En		steel pip he levee on both ers on the waterwar Drainage	esection e with e , 9.7 feet ends. e rd end or		39.370679 ° 353 21.850500 °

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cherokee Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffey
Levee Mile Category Item Start End Category Action/Comment Action/Comment Category Categor			GPS Latitude/I	Longitude Issue No. End Photo
351 21.00 21.00 Supplemental DWR UCIP Field Study LS M Inspector Comments: FS_ID:5580 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Sink hole present on collars severly damagesection missin repair need to coordinate with applican FIELD_STRUCT_DESC: 3 of 3: 16-inc encased in reinforced concrete through below the crown. Concrete "U" headwa Slide gates on corrugated metal pipe ri waterward slope. Pump structure on th (USACE-1960). This entry matches the Irrigation Structure referenced in O&M 21.00). FS Date: 4/24/2012	g. Crossing. In steel piper the levee of the leven on both sers on the waterwall brainage	pipe g needs e e, 9.7 feet ends. e rd end	39.370679 ° 3 -121.850500 ° -12	
352 21.00 21.00 Supplemental DWR UCIP Field Study LS M Inspector Comments: FS_ID:4263 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: LS pipe collars seve missing. Crossing needs repair need to applicant. FIELD_STRUCT_DESC: 2 of 3: 16-inc encased in reinforced concrete through below the crown. Concrete "U" headwa Slide gates on corrugated metal pipe ri waterward slope. Pump structure on th (USACE-1960). This entry matches the Irrigation Structure referenced in O&M 21.00). FS Date: 4/24/2012	n steel pip the levee If on both sers on the waterwa Drainage	esection te with ee , 9.7 feet ends. e rd end		9.370679° 355 1.850495°
353 21.00 21.00 Supplemental DWR UCIP Field Study LS U Inspector Comments: FS_ID:5967 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: LS pipe collars seve section missing. Crossing needs repair coordinate with owner. FIELD_STRUCT_DESC: 2 of 3: 16-inc encased in reinforced concrete through below the crown. Concrete "U" headwa Slide gates on corrugated metal pipe ri waterward slope. Pump structure on th (USACE-1960). This entry matches the Irrigation Structure referenced in O&M 21.00). FS Date: 4/24/2012	will need the steel pipe the levee all on both sers on the waterwall Drainage	ged d to e e, 9.7 feet ends. e rd end	39.370679° 3 -121.850500° -12	9.370679° 356 1.850500°

* Location
LS: Land Side
WS: Water Side
CR: Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

Ma Ob

+ Issue Type

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Outter Maintenance Tara Maintenance Area 0015												
		Wa	terway		Bank	Unit Miles	Inspection Start/End	Inspec	ctor			
		Unit No. 02 C	Cherok	ee Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffe				
Levee Mile	Category	Item	Rating ** + Location	Action/Comment			GPS Latitude/	_ongitude	NO.			
Start End	0,		on +				Start	End	Photo			
354 21.59 21.59	Supplementa	DWR UCIP Field Study	LS M En	'	o Head or ated meta wn. Slide ward slop is entry r enced in of exisitin	around/ n LS al pipe e gate in be. Pipe natches O&M g pipe, 9-	39.366155 ° 3 121.859876 ° -12	9.366155 ° 1.859876 °				
355 21.59 21.59	Supplementa	DWR UCIP Field Study	LS M En	Inspector Comments: FS_ID:3785 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Angles though levee/ possible piping along exterior of pipe/ Note FIELD_STRUCT_DESC: 24-inch corrug through the levee, 8.2 feet below the cro- corrugated metal pipe riser on the water crosses the channel (USACE-1960). The the Drainage or Irrigation Structure refer manual (HLM 21.60). Corroded section of feet 8-inches of an 18-inch CMP section under Permit 7231. FS Date: 4/24/2012	o Head or ated meta wn. Slide ward slop his entry r enced in of exisitin	around/ n LS al pipe e gate in be. Pipe natches O&M g pipe, 9-	DWR ID: DWR_MA00 39.366155 ° 3 121.859876 ° -12	9.366155 ° 1.859876 °	358 Y			
356 21.59 21.59	Supplementa	DWR UCIP Field Study	LS M En	Inspector Comments: FS_ID:3784 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Angles though levee/ possible piping along exterior of pipe/ Not FIELD_STRUCT_DESC: 24-inch corrug through the levee, 8.2 feet below the cro corrugated metal pipe riser on the water crosses the channel (USACE-1960). Th the Drainage or Irrigation Structure refer manual (HLM 21.60). Corroded section of	o Head or ated meta wn. Slide ward slop his entry renced in of exisitin	around/ n LS al pipe e gate in be. Pipe natches O&M g pipe, 9-	39.366155 ° 3 121.859876 ° -12	9.366155 °	359			

Location LS: Land Side WS : Water Side CR : Crown Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

under Permit 7231. FS Date: 4/24/2012

+ Issue Type

feet 8-inches of an 18-inch CMP section, was replaced

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

		V	Vaterwa		Bank	Unit Miles	Inspection Start/End	Inspec	ctor	
		Unit No. 02	2 Chero	oke	e Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffe	
Levee Mile Start End	Category	Item	Location	Rating	Action/Comment			GPS Latitude/	Longitude End	Issue No. Photo
³⁵⁷ 21.59 21.59	Supplemental	DWR UCIP Field Study	LS	U En	Inspector Comments: FS_ID:3783 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: Angles though levee/ possible piping along exterior of pipe/ Note of the piping along exterior of the water crosses the channel (USACE-1960). The prainage or Irrigation Structure refermanual (HLM 21.60). Corroded section of the feet 8-inches of an 18-inch CMP section under Permit 7231. FS Date: 4/24/2012	o Head or lated met lown. Slide ward slop his entry r renced in of exisitin	around/ n LS al pipe e gate in be. Pipe natches O&M g pipe, 9-	39.366155° 3	89.366155 ° 81.859876 °	360
³⁵⁸ 21.59 21.59	Supplemental	DWR UCIP Field Study	LS		Inspector Comments: FS_ID:3328 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Angles though levee/ possible piping along exterior of pipe/ Ne FIELD_STRUCT_DESC: 24-inch corrug through the levee, 8.2 feet below the cro corrugated metal pipe riser on the water crosses the channel (USACE-1960). The the Drainage or Irrigation Structure refer manual (HLM 21.60). Corroded section feet 8-inches of an 18-inch CMP section under Permit 7231.	b Head or lated met lown. Slide ward slop his entry renced in of exisitin	around/ n LS al pipe e gate in be. Pipe natches O&M g pipe, 9-	39.366155 ° (121.859876 ° -12	39.366155 °	

FS Date: 4/24/2012

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Photo

362

End

39.366155°

Start

Flood Control Project Maintenance Levee Inspections

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cherokee Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffey
Levee Mile Category Item * Table 1	ent		GPS Latitude/L	ongitude Issue No.

359 21.60 21.60 Supplemental DWR UCIP Field Study

Start

End

LS U Inspector Comments: FS ID:5687

39.366155° -121.859880 ° -121.859880 ° EP NO: N/A Repair Type: Urgent

Crossing Status: Found UCIP Comments: Crossing is in need of repair. The crossing angles though levee, possible internal piping along pipe alignment which is visible from LS pipe daylight, no headwall on LS, pipe wall missing due to severe corrosion visible on LS toe. Debris present-damage pipe is stockpiled on LS slope. Limited inspection on WS and LS slopes due to dense vegetation. Need photos of cleared WS & LS slopes. This crossing was listed in the USACE Periodic Inspection report as Corp's inspect ID# USACE_CESPK_M13E_2011_p_0234 for no

WS gate but sluice gate present. FIELD_STRUCT_DESC: 24-inch corrugated metal pipe through the levee, 8.2 feet below the crown. Crossing penetrates levee at angle. Slide gate in corrugated metal pipe riser on the waterward slope. Pipe crosses the channel (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 21.60). Corroded section of exisiting pipe, 9-feet 8-inches of an 18-inch CMP section, was replaced under Permit 7231 prior to 1974.

FS Date: 4/24/2012

DWR ID: DWR MA0013 02 f 2013 362 39.366155° 39.366155° 363

360 21.60 21.60 Supplemental DWR UCIP Field Study

LS U Inspector Comments: FS_ID:5971

EP_NO: N/A Repair Type: Urgent Crossing Status: Found

UCIP Comments: Needs repair. Internal piping along pipe alignment visible from LS pipe daylight, pipe wall missing due to severe corrosion visible on LS toe. Debris present-damage pipe is stockpiled on LS slope. Limited inspection on WS and LS slopes due to dense vegetation. Need photos of cleared WS & LS slopes. This crossing was listed in the USACE Periodic Inspection report as Corp's inspect ID# USACE_CESPK_M13E_2011_p_0234 for no WS gate but sluice gate present.

FIELD_STRUCT_DESC: 24-inch corrugated metal pipe through the levee, 8.2 feet below the crown. Crossing penetrates levee at angle. Slide gate in corrugated metal pipe riser on the waterward slope. Pipe crosses the channel (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 21.60). Corroded section of exisiting pipe, 9-feet 8-inches of an 18-inch CMP section, was replaced under Permit 7231 prior to 1974.

FS Date: 4/24/2012

-121.859880 ° -121.859880 °

DWR ID: DWR MA0013 02 f 2013 363

Location LS: Land Side WS: Water Side CR: Crown

Rating

Minimally Acceptable U: Unacceptable

N: Not Inspected/Rated Corrected : Acceptable but Monitor & Maintain + Issue Type

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cherokee Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffey

LMR	Levee	e Mile	Category Item		Item * Table Action/Comment		GPS Latitud	Issue No.		
No.	Start	End	Calegory	ileiii	* ating		Action/Comment	Start	End	Photo
361	21.60	21.60	Supplementa	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:5613 EP_NO: N/A Repair Type: Non-Urgent	39.366155 ° 121.859880 °	39.366155 ° -121.859880 °	

Crossing Status: Found UCIP Comments: Crossing is in need of repair. The crossing angles though levee, possible internal piping along pipe alignment which is visible from LS pipe daylight, no headwall on LS, pipe wall missing due to severe corrosion visible on LS toe. Debris present-damage pipe is stockpiled on LS slope. Limited inspection on WS and LS slopes due to dense vegetation. Need photos of cleared WS & LS slopes. This crossing was listed in the USACE Periodic Inspection report as Corp's inspect ID# USACE_CESPK_M13E_2011_p_0234 for no WS gate but sluice gate present.

FIELD_STRUCT_DESC: 24-inch corrugated metal pipe through the levee, 8.2 feet below the crown. Slide gate in corrugated metal pipe riser on the waterward slope. Pipe crosses the channel (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 21.60). Corroded section of exisiting pipe, 9-feet 8-inches of an 18-inch CMP section, was replaced under Permit 7231. Crossing penetrates levee at angle. FS Date: 4/24/2012

DWR ID: DWR_MA0013_02_f _ 2013_364 39.366155 ° 39.366155 ° 365

-121.859880 ° -121.859880 °

362 21.60 21.60 Supplemental DWR UCIP Field Study

LS U Inspector Comments: FS_ID:5972

En EP_NO: N/A
Repair Type: Urgent
Crossing Status: Found

UCIP Comments: Needs repair. Internal piping, pipe wall missing due to severe corrosion visible on LS toe. Debris present—damage pipe is stockpiled on LS slope. Limited inspection on WS and LS slopes due to dense vegetation. Need photos of cleared WS & LS slopes. This crossing was listed in the USACE Periodic Inspection report as Corp's inspect ID# USACE_CESPK_M13E_2011_p_0234 for no WS gate but sluice gate present.

FIELD_STRUCT_DESC: 24-inch corrugated metal pipe through the levee, 8.2 feet below the crown. Crossing penetrates levee at angle. Slide gate in corrugated metal pipe riser on the waterward slope. Pipe crosses the channel (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM)

21.60). Corroded section of exisiting pipe, 9-feet 8-inches

of an 18-inch CMP section, was replaced under Permit 7231 prior to 1974. FS Date: 4/24/2012

DWR ID: DWR_MA0013_02_f _ 2013_365

* Location

LS: Land Side

WS: Water Side

CR: Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected W : Acceptable but Monitor & Maintain + Issue Type
Ma : Maintei

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cherokee Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffey

LMR	Levee Mile			* D * ==	Action/Commont	GPS Latitud	Issue No.
No.	Start End	Category		Action/Comment	Start	End	Photo

363 21.60 21.60 Supplemental DWR UCIP

Field Study

LS U Inspector Comments: FS ID:5973

EP NO: N/A

Repair Type: Urgent Crossing Status: Found

UCIP Comments: Needs repair. Internal piping, severe corrosion, gate missing. Debris present--rusted pipe stockpiled on LS slope. Limited inspection on WS and LS slopes due to dense vegetation. Need photos of cleared WS & LS slopes. This crossing was listed in the USACE Periodic Inspection report as Corp's inspect ID# USACE_CESPK_M13E_2011_p_0234 for no WS gate but sluice gate present.

FIELD_STRUCT_DESC: 24-inch corrugated metal pipe through the levee, 8.2 feet below the crown. Crossing penetrates levee at angle. Slide gate in corrugated metal pipe riser on the waterward slope. Pipe crosses the channel (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 21.60). Corroded section of exisiting pipe, 9-feet 8-inches of an 18-inch CMP section, was replaced under Permit 7231 prior to 1974.

FS Date: 4/24/2012

DWR ID: DWR_MA0013_02_f _ 2013_366 39.366155° 39.366155° 367

-121.859880 ° -121.859880 °

39.366155° 39.366155° 366

-121.859880 ° -121.859880 °

364 21.60 21.60 Supplemental DWR UCIP Field Study

LS U Inspector Comments: FS ID:5970

EP_NO: N/A En

Repair Type: Urgent Crossing Status: Found

UCIP Comments: Crossing is in need of repair. The crossing angles though levee, internal piping along pipe alignment visible from LS pipe daylight, pipe wall missing due to severe corrosion visible on LS toe. Debris present-damage pipe is stockpiled on LS slope. Limited inspection on WS and LS slopes due to dense vegetation. Need photos of cleared WS & LS slopes. This crossing was listed in the USACE Periodic Inspection report as Corp's inspect ID# USACE_CESPK_M13E_2011_p_0234 for no WS gate but sluice gate present.

FIELD_STRUCT_DESC: 24-inch corrugated metal pipe through the levee, 8.2 feet below the crown. Crossing penetrates levee at angle. Slide gate in corrugated metal pipe riser on the waterward slope. Pipe crosses the channel (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 21.60). Corroded section of exisiting pipe, 9-feet 8-inches of an 18-inch CMP section, was replaced under Permit 7231 prior to 1974.

FS Date: 4/24/2012

DWR ID: DWR MA0013 02 f 2013 367

Location LS: Land Side WS: Water Side CR: Crown

Rating

Minimally Acceptable U: Unacceptable

N : Not Inspected/Rated Corrected

+ Issue Type

Ma: Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

: Acceptable but Monitor & Maintain

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cherokee Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffey

LMR	Levee Mile	Category	Item	Location	Rating	Action/Comment	GPS Latitud	de/Longitude	Issue No.
No.	Start End	Category	item	tion	ng +	Action/Comment	Start	End	Photo
365	21.60 21.60	Supplementa	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:4807 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Crossing is in need of repair. The	39.366155 ° -121.859880 °	39.366155 ° -121.859880 °	

crossing angles though levee, possible internal piping along pipe alignment which is visible from LS pipe daylight, no headwall on LS, pipe wall missing due to severe corrosion visible on LS toe. Debris present-damage pipe is stockpiled on LS slope. Limited inspection on WS and LS slopes due to dense vegetation. Need photos of cleared WS & LS slopes. This crossing was listed in the USACE Periodic Inspection report as Corp's inspect ID# USACE_CESPK_M13E_2011_p_0234 for no WS gate but sluice gate present.

FIELD_STRUCT_DESC: 24-inch corrugated metal pipe through the levee, 8.2 feet below the crown. Slide gate in corrugated metal pipe riser on the waterward slope. Pipe crosses the channel (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 21.60). Corroded section of exisiting pipe, 9feet 8-inches of an 18-inch CMP section, was replaced under Permit 7231. Crossing penetrates levee at angle. FS Date: 4/24/2012

DWR ID: DWR_MA0013_02_f _ 2013_368

366 21.60 21.60 Supplemental DWR UCIP

Field Study

LS U Inspector Comments: FS ID:15629

EP_NO: N/A En

Repair Type: Urgent Crossing Status: Found

UCIP Comments: Needs repair. Internal piping, severe corrosion. Debris present--rusted pipe stockpiled on LS slope. Limited inspection on WS and LS slopes due to dense vegetation. Need photos of cleared WS & LS slopes. This crossing was listed in the USACE Periodic Inspection report as Corp's inspect ID#

USACE_CESPK_M13E_2011_p_0234 for no WS gate but sluice gate present.7/8/2013 Pipe appears to have been

repaired. Need to talk to inspections and supervisor to find out more deatils on repair.

FIELD_STRUCT_DESC: 24-inch corrugated metal pipe through the levee, 8.2 feet below the crown. Crossing penetrates levee at angle. Slide gate in corrugated metal pipe riser on the waterward slope. Pipe crosses the channel (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 21.60). Corroded section of exisiting pipe, 9-feet 8-inches of an 18-inch CMP section, was replaced under Permit

7231 prior to 1974.

FS Date: 7/11/2013 9:05:06 AM

39.366155° 39.366155° 369

-121.859880 ° -121.859880 °

DWR ID: DWR MA0013 02 f 2013 369

Location LS: Land Side WS: Water Side CR: Crown

Rating

: Minimally Acceptable U: Unacceptable

N : Not Inspected/Rated Corrected : Acceptable but Monitor & Maintain + Issue Type

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cherokee Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffey
Levee Mile Start End Category Item ** ation Action/Comment			GPS Latitude/	Longitude Issue No.

367 21.60 21.60 Supplemental DWR UCIP Field Study LS M Inspector Comments: FS ID:16686

EP NO: N/A

Repair Type: Non-Urgent Crossing Status: Found

UCIP Comments: Needs repair. Internal piping, severe corrosion. Debris present--rusted pipe stockpiled on LS slope. Limited inspection on WS and LS slopes due to dense vegetation. Need photos of cleared WS & LS slopes. This crossing was listed in the USACE Periodic Inspection report as Corp's inspect ID#

USACE_CESPK_M13E_2011_p_0234 for no WS gate but sluice gate present.7/8/2013 Pipe appears to have been repaired. Need to talk to inspections and supervisor to find out more deatils on repair

FIELD_STRUCT_DESC: 24-inch corrugated metal pipe through the levee, 8.2 feet below the crown. Crossing penetrates levee at angle. Slide gate in corrugated metal pipe riser on the waterward slope. Pipe crosses the channel (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM) 21.60). Corroded section of exisiting pipe, 9-feet 8-inches of an 18-inch CMP section, was replaced under Permit 7231 prior to 1974.

FS Date: 7/11/2013 9:13:00 AM

DWR ID: DWR_MA0013_02_f _ 2013_370 39.366155° 39.366155° 371

-121.859880 ° -121.859880 °

39.366155° 39.366155° 370 -121.859880 ° -121.859880 °

368 21.60 21.60 Supplemental DWR UCIP

Field Study

LS U Inspector Comments: FS ID:5974

EP_NO: N/A En Repair Type: Urgent Crossing Status: Found

UCIP Comments: Needs repair. Internal piping, severe corrosion. Debris present--rusted pipe stockpiled on LS slope. Limited inspection on WS and LS slopes due to dense vegetation. Need photos of cleared WS & LS slopes. This crossing was listed in the USACE Periodic Inspection report as Corp's inspect ID#

USACE_CESPK_M13E_2011_p_0234 for no WS gate but

sluice gate present.

FIELD_STRUCT_DESC: 24-inch corrugated metal pipe through the levee, 8.2 feet below the crown. Crossing penetrates levee at angle. Slide gate in corrugated metal pipe riser on the waterward slope. Pipe crosses the channel (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 21.60). Corroded section of exisiting pipe, 9-feet 8-inches of an 18-inch CMP section, was replaced under Permit

7231 prior to 1974. FS Date: 4/24/2012

DWR ID: DWR MA0013 02 f 2013 371

Location LS: Land Side WS : Water Side CR: Crown

Rating

Minimally Acceptable

U: Unacceptable

N: Not Inspected/Rated Corrected Acceptable but Monitor & Maintain + Issue Type

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

	W	Ва	unk Unit Mile	S Inspection Start/End	Inspecto	or	
	Unit No. 02	anal Le	eft 23.10	10/31/2013 10/31/2013	Bob Duffey	/	
Levee Mile Category	Item	Rating ** + Location	Action/Comment		GPS Latitude/Longitude		Issue No.
Start End Category		ng +	Action/Comment		Start	End F	Photo

369 21.60 21.60 Supplemental DWR UCIP Field Study

LS M Inspector Comments: FS ID:5581

39.366155 39.366155 -121.859880 ° -121.859880 °

EP_NO: N/A

Repair Type: Non-Urgent Crossing Status: Found

UCIP Comments: Crossing is in need of repair. The crossing angles though levee, possible internal piping along pipe alignment which is visible from LS pipe daylight, no headwall on LS, pipe wall missing due to severe corrosion visible on LS toe. Debris present-damage pipe is stockpiled on LS slope. Limited inspection on WS and LS slopes due to dense vegetation. Need photos of cleared WS & LS slopes. This crossing was listed in the USACE Periodic Inspection report as Corp's inspect ID# USACE_CESPK_M13E_2011_p_0234 for no WS gate but sluice gate present.

FIELD_STRUCT_DESC: 24-inch corrugated metal pipe through the levee, 8.2 feet below the crown. Slide gate in corrugated metal pipe riser on the waterward slope. Pipe crosses the channel (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 21.60). Corroded section of exisiting pipe, 9feet 8-inches of an 18-inch CMP section, was replaced under Permit 7231. Crossing penetrates levee at angle. FS Date: 4/24/2012

DWR ID: DWR_MA0013_02_f _ 2013_372

370 21.60 21.60 Supplemental DWR UCIP

Field Study

LS U Inspector Comments: FS ID:15631

EP_NO: N/A En

Repair Type: Urgent Crossing Status: Found

UCIP Comments: Needs repair. Internal piping, severe corrosion. Debris present--rusted pipe stockpiled on LS slope. Limited inspection on WS and LS slopes due to dense vegetation. Need photos of cleared WS & LS slopes. This crossing was listed in the USACE Periodic Inspection report as Corp's inspect ID#

USACE_CESPK_M13E_2011_p_0234 for no WS gate but sluice gate present.7/8/2013 Pipe appears to have been

repaired. Need to talk to inspections and supervisor to

find out more deatils on repair. FIELD_STRUCT_DESC: 24-inch corrugated metal pipe through the levee, 8.2 feet below the crown. Crossing penetrates levee at angle. Slide gate in corrugated metal pipe riser on the waterward slope. Pipe crosses the channel (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 21.60). Corroded section of exisiting pipe, 9-feet 8-inches

of an 18-inch CMP section, was replaced under Permit

7231 prior to 1974.

FS Date: 7/11/2013 9:13:12 AM

39.366155 ° 39.366155 ° 373 -121.859880 ° -121.859880 °

DWR ID: DWR MA0013 02 f 2013 373

Location LS: Land Side WS : Water Side CR: Crown

Rating

: Minimally Acceptable U: Unacceptable

N : Not Inspected/Rated Corrected : Acceptable but Monitor & Maintain + Issue Type

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cherokee Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffey

LMR	Levee Mile	Category	Item	Rating ** + Location	Action/Comment	GPS Latitud	Issue No.	
No.	_		Item			Start	End	Photo
371	21.60 21.60	Supplementa	DWR UCIP	LS N	Inspector Comments: FS ID:4277	39.366155 °	39.366155 °	374

371 21.60 21.60 Supplemental DWR UCIP Field Study

LS M Inspector Comments: FS ID:4277

EP NO: N/A

Repair Type: Non-Urgent Crossing Status: Found

UCIP Comments: Crossing is in need of repair. Crossing angles though levee, possible internal piping along pipe alignment visible from exterior of LS pipe, no headwall on LS, pipe wall missing due to severe corrosion visible on LS toe. Debris present--Damage pipe is stockpiled on LS slope. Limited inspection on WS and LS slopes due to dense vegetation. This crossing was listed in the USACE Periodic Inspection report (Corp's inspect ID# USACE_CESPK_M13E_2011_p_0234 for no WS gate but sluice gate present.

FIELD_STRUCT_DESC: 24-inch corrugated metal pipe through the levee, 8.2 feet below the crown. Slide gate in corrugated metal pipe riser on the waterward slope. Pipe crosses the channel (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 21.60). Corroded section of exisiting pipe, 9feet 8-inches of an 18-inch CMP section, was replaced under Permit 7231. Crossing penetrates levee at angle.

FS Date: 4/24/2012

DWR ID: DWR_MA0013_02_f _ 2013_374 39.366155 ° 39.366155 ° 375

-121.859880 ° -121.859880 °

-121.859876 ° -121.859876 °

372 21.60 21.60 Supplemental DWR UCIP

Field Study

LS U Inspector Comments: FS_ID:5969 Fn

EP NO: N/A

Repair Type: Urgent Crossing Status: Found

UCIP Comments: Crossing is in need of repair. The crossing angles though levee, possible internal piping along pipe alignment which is visible from LS pipe daylight, no headwall on LS, pipe wall missing due to severe corrosion visible on LS toe. Debris present-damage pipe is stockpiled on LS slope. Limited inspection on WS and LS slopes due to dense vegetation. Need photos of cleared WS & LS slopes. This crossing was listed in the USACE Periodic Inspection report as Corp's inspect ID# USACE_CESPK_M13E_2011_p_0234 for no WS gate but sluice gate present.

FIELD_STRUCT_DESC: 24-inch corrugated metal pipe through the levee, 8.2 feet below the crown. Crossing penetrates levee at angle. Slide gate in corrugated metal pipe riser on the waterward slope. Pipe crosses the channel (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 21.60). Corroded section of exisiting pipe, 9-feet 8-inches of an 18-inch CMP section, was replaced under Permit

7231 prior to 1974. FS Date: 4/24/2012

DWR ID: DWR MA0013 02 f 2013 375

Location LS: Land Side WS : Water Side CR: Crown

Rating

Minimally Acceptable U: Unacceptable

N: Not Inspected/Rated Corrected

+ Issue Type

Ma: Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

: Acceptable but Monitor & Maintain

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

	Sutter Mai	inter	nance Yard Maintenand	ce Ar	ea uu1	ა 		
	Wate	erway		Bank	Unit Miles	Inspection Start/End	Inspec	ctor
	Unit No. 02 C	herok	ee Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffe	
Levee Mile Category	Item	Rating ** + Location	Action/Comment			GPS Latitude	/Longitude	Issue No.
Start End Category		ion +	, iouoin ooniinioin			Start	End	Photo
373 21.60 21.60 Supplemental	DWR UCIP Field Study	LS M En	Inspector Comments: FS_ID:5615 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Crossing is in need of crossing angles though levee, possible is along pipe alignment which is visible frod daylight, no headwall on LS, pipe wall mesevere corrosion visible on LS toe. Debrid damage pipe is stockpiled on LS slope. On WS and LS slopes due to dense veging photos of cleared WS & LS slopes. This listed in the USACE Periodic Inspection inspect ID# USACE_CESPK_M13E_20 WS gate but sluice gate present. FIELD_STRUCT_DESC: 24-inch corrugthrough the levee, 8.2 feet below the cropenetrates levee at angle. Slide gate in pipe riser on the waterward slope. Pipe channel (USACE-1960). This entry mate or Irrigation Structure referenced in O&M 21.60). Corroded section of exisiting pipof an 18-inch CMP section, was replace 7231 prior to 1974. FS Date: 4/24/2012	nternal pim LS pipe issing duris presen Limited ir etation. No crossing report as 11_p_023 ated metabown. Crosscorrugate crosses the these the Ed manual e, 9-feet 8	he ping e e to t- sspection leed was Corp's 84 for no all pipe sing d metal ne Drainage (HLM 8-inches	39.366155° 121.859880° -		
374 22.06 22.06 Supplemental	DWR UCIP Field Study	LS M En	Inspector Comments: FS_ID:5711 EP_NO: 17504 Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: Unable to find crossin inspection. Will need to verify during Fal vegetation is removed from slopes. FIELD_STRUCT_DESC: 30 inch diame across and under (bored) Cherokee Car with minimum of 50 feet of cover below (Permit No. 17504-2004, David D. Davis Environmental Planning) FS Date: 4/24/2012	I inspection in the second in	spring on when peline s levees	39.362520° .121.867030° -′ DWR ID: DWR_MA	21.867030°	
375 22.06 22.06 Supplemental	DWR UCIP Field Study	LS M En	Inspector Comments: FS_ID:5346 EP_NO: 17504 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Unable to find during Will need to verify during Fall inspection is removed from slopes. FIELD_STRUCT_DESC: 30 inch diame across and under (bored) Cherokee Car with minimum of 50 feet of cover below (Permit No. 17504-2004, David D. Davis Environmental Planning) FS Date: 4/24/2012	when ver ter gas pinal and its the levee	spection. getation peline s levees	39.362520° 121.867030° -	21.867030°	

* Location LS: Land Side WS : Water Side CR : Crown * Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cherokee Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffey
Levee Mile Category Item Start End Category Action/Comm	ent		GPS Latitude/L	Longitude Issue No. End Photo
376 22.06 22.06 Supplemental DWR UCIP Field Study Signature Field Study LS M Inspector Comments: FS_ID:5347 EP_NO: 17504 Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: Unable to find du Will need to verify during Fall inspe is removed from slopes. FIELD_STRUCT_DESC: 30 inch di across and under (bored) Cherokee with minimum of 50 feet of cover be (Permit No. 17504-2004, David D. II Environmental Planning) FS Date: 4/24/2012	etion when ver ameter gas p Canal and its low the levee	spection. egetation ipeline s levees	39.362520° 3: -121.867030° -12	9.362520 ° 379 1.867030 °
			DWR ID: DWR_MA001	3_02_f _ 2013_379
377 22.08 22.08 Supplemental DWR UCIP Field Study Signature Field Study LS M Inspector Comments: FS_ID:5712 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspectio slopes due to dense vegetation. Ne WS and LS slopes. This crossing w USACE Periodic Inspection report a USACE_CESPK_M13E_2011_p_0 on WS. FIELD_STRUCT_DESC: 24-inch co through the levee, 11.6 feet below t on the waterward end. Concrete "U ends (USACE-1960). This entry ma Irrigation Structure referenced in Oc 22.08). FS Date: 4/24/2012	ed photos of ras listed in the as Corp's inspected for no our orrugated method crown. Flat' headwalls of tches the Dra	LS cleared le lect ID# tlet visible lal pipe p Rate n both linage or	.121.867350 ° -12	
378 22.08 22.08 Supplemental DWR UCIP LS M Inspector Comments: FS_ID:15634			39.362378 ° 39	9.362378 ° 381
Field Study En EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspectio slopes due to dense vegetation. Ne WS and LS slopes. This crossing w USACE Periodic Inspection report a USACE_CESPK_M13E_2011_p_0 on WS.7/8/2013 Same as last inper FIELD_STRUCT_DESC: 24-inch co through the levee, 11.6 feet below t on the waterward end. Concrete "U ends (USACE-1960). This entry ma Irrigation Structure referenced in Oc 22.08). FS Date: 7/11/2013 9:17:28 AM	n on WS and ed photos of as listed in th as Corp's insp 251 for no ou ection. orrugated met he crown. Fla ' headwalls o tches the Dra	LS cleared le lect ID# tlet visible lal pipe p Rate n both linage or	.121.867350 ° -12	

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cherokee Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffey
	•	•		

					o Garia.			10/31/2013	υπе	ŧу
Levee Mile Start End	Category	Item	Location	Rating	Action/Comment			GPS Latitude/L		Issue No. Photo
5 Start End 379 22.08 22.08	Supplemental	DWR UCIP Field Study		M En	Inspector Comments: FS_ID:4278 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection on slopes due to dense vegetation. Need pl WS and LS slopes. This crossing was lis USACE Periodic Inspection report as Co USACE_CESPK_M13E_2011_p_0251 fo on WS. FIELD_STRUCT_DESC: 24-inch corrugathrough the levee, 11.6 feet below the cr on the waterward end. Concrete "U" hea ends (USACE-1960). This entry matches Irrigation Structure referenced in O&M m 22.08). FS Date: 4/24/2012	notos of costed in the orp's inspector no outlested metalown. Flap dwalls on the Drain steel the Drain steel in the Drain steel	LS leared ect ID# et visible al pipe b Rate both nage or	39.362378 ° 3: -121.867345 ° -12	End 9.362378 ° 1.867345 °	
380 22.11 22.11	Supplemental	DWR UCIP Field Study	LS		Inspector Comments: FS_ID:3313 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: FIELD_STRUCT_DESC: Underground to along landside crown. FS Date: 4/24/2012	elephone		DWR ID: DWR_MA001 39.362103 ° 3: -121.867821 ° -12	9.362103 ° 1.867821 °	383
³⁸¹ 22.11 22.11	Supplemental	DWR UCIP Field Study	LS		Inspector Comments: FS_ID:3312 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: FIELD_STRUCT_DESC: Underground to through the levee. Depth unknown. FS Date: 4/24/2012	elephone		39.362103 ° 3: -121.867821 ° -12		
382 22.11 22.11	Supplemental	DWR UCIP Field Study	LS		Inspector Comments: FS_ID:3940 EP_NO: N/A Repair Type: Urgent Crossing Status: Indicator Found UCIP Comments: Line extends from Grit to south end of project levee alon LS hin Levee sloughs along cable trench after h FIELD_STRUCT_DESC: Underground to along landside crown. FS Date: 4/24/2012	ge of crovieavy rain	sa Hwy wn road. s.	39.362150 ° 3: -121.867770 ° -12	9.362150 ° 1.867770 °	385

* Location LS: Land Side WS: Water Side CR: Crown * Rating

A : Acceptable

M : Minimally Acceptable

U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type Ma : Mainter

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

	Waterway		Bank	Unit Miles	Inspection Start/End	Inspec	ctor
Unit N	o. 02 Cheroke	ee Canal	Left	23.10	10/31/2013 Bob 10/31/2013 Duffe		
Levee Mile Category Ite	Rating ** + Location *	Action/Comment			GPS Latitude	e/Longitude	Issue No.
Start End Category	ion +	/ totto!#Comment			Start	End	Photo
383 22.11 22.11 Supplemental DWR U Field St		Inspector Comments: FS_ID:3315 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Line extends from Grid to south end of project levee alon LS hin Levee sloughs along cable trench after h FIELD_STRUCT_DESC: Underground to along landside crown. FS Date: 4/24/2012	ige of cro neavy rair	sa Hwy wn road. is.	39.362150 ° 121.867770 ° -		Y
384 22.11 22.11 Supplemental DWR U Field St		Inspector Comments: FS_ID:5269 EP_NO: N/A Repair Type: Urgent Crossing Status: Indicator Found UCIP Comments: Illegal Encroachment. listed multiple times in the USACE Perior report as USACE_CESPK_M13E_2011_0317, 0318 for slope failure on LS hinge Maintenance Office records shows that crequested AT&T to remove conduit in JuLMA waiting for CVFPB action. FIELD_STRUCT_DESC: Illegal encroac Underground telephone cable through tunknown. (AT&T) START latitude 39.36/121.8678207 END latitude 39.35458541 121.8823409. Line extends from Gridley to the south end of project levee along L levee crown hinge point. Levee sloughs trench after heavy rains. FS Date: 4/24/2012	dic Inspector of the In	essing is ection 0315, lood as 09 letter. Depth ongitude - le - lighway er &	39.362103 ° 121.867820 ° -		387

385 22.11 22.11 Supplemental DWR UCIP Field Study

LS U Inspector Comments: FS_ID:6080

n EP_NO: N/A

Repair Type: Urgent

Crossing Status: Indicator Found

UCIP Comments: Unauthorized Encroachment. This crossing is listed multiple times in the USACE Periodic

Inspection report as

USACE_CESPK_M13E_2011_p_0307, 0315, 0317, 0318 for slope failure on LS hinge. DWR-Flood Maintenance Office records shows that CVFPB has requested AT&T to remove conduit in June 2, 2009 letter. LMA working with

CVFPB to resolve.

FIELD_STRUCT_DESC: Illegal encroachment.
Underground telephone cable through the levee. Depth unknown. (AT&T) START latitude 39.36210336, longitude - 121.8678207 END latitude 39.35458541, longitude - 121.8823409. Line extends from Gridley Colusa Highway to the south end of project levee along LS shoulder & levee crown hinge point. Levee sloughs along cable

trench after heavy rains. FS Date: 4/24/2012

DWR ID: DWR MA0013 02 f 2013 388

DWR ID: DWR_MA0013_02_f _ 2013_387 39.362103 ° 39.362103 ° 388

-121.867820 ° -121.867820 °

* Location

LS: Land Side

WS: Water Side

CR: Crown

Rating
A: Acceptable
M: Minimally Acceptable

U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Mainte

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

	Wat	erway		Bank	Unit Miles	Inspection	Inspec	ctor
L	Jnit No. 02 C	heroke	e Canal	Left	23.10	Start/End 10/31/2013 10/31/2013	Bob)
						10/31/2013	Dulle	
Levee Mile Category	Item	Rating ** + Location *	Action/Comment			GPS Latitude	/Longitude	No.
Start End Category						Start	End	Photo
386 22.11 22.11 Supplemental DV Fie	WR UCIP eld Study	LS U	Inspector Comments: FS_ID:15636 EP_NO: N/A Repair Type: Urgent Crossing Status: Indicator Found UCIP Comments: Unauthorized Encroad crossing is listed multiple times in the Us Inspection report as USACE_CESPK_M13E_2011_p_0307, for slope failure on LS hinge. DWR-Floo Office records shows that CVFPB has re remove conduit in June 2, 2009 letter. LI CVFPB to resolve.7/8/2013 Same as la FIELD_STRUCT_DESC: Illegal encroad Underground telephone cable through th unknown. (AT&T) START latitude 39.36: 121.8678207 END latitude 39.35458541 121.8823409. Line extends from Gridley to the south end of project levee along L levee crown hinge point. Levee sloughs trench after heavy rains. FS Date: 7/11/2013 9:19:46 AM	O315, 031 d Mainter equested MA workir st inspect hment le levee. I 210336, I Colusa H S shoulde	his riodic 17, 0318 hance AT&T to hang with cition. Depth congitude - e - lighway er &	121.867820°-1		
						DWR ID: DWR_MAG	013_02_f _ 2013_	_389
387 22.11 22.11 Supplemental DV Fie	WR UCIP eld Study	LS U En	Inspector Comments: FS_ID:5585 EP_NO: N/A Repair Type: Urgent Crossing Status: Indicator Found UCIP Comments: Unauthorized Encroac crossing is listed multiple times in the US Inspection report as USACE_CESPK_M13E_2011_p_0307, for slope failure on LS hinge. DWR-Floo Office records shows that CVFPB has re remove conduit in June 2, 2009 letter. LI CVFPB action. FIELD_STRUCT_DESC: Illegal encroac Underground telephone cable through th unknown. (AT&T) START latitude 39.36: 121.8678207 END latitude 39.35458541 121.8823409. Line extends from Gridley to the south end of project levee along L levee crown hinge point. Levee sloughs trench after heavy rains. FS Date: 4/24/2012	SACE Per 0315, 031 d Mainter equested . MA waitin hment. se levee. I 210336, k , longitud Colusa H S shoulde	his riodic 17, 0318 lance AT&T to g for Depth longitude - e - lighway er &	39.362103 ° 121.867820 ° -1		
388 22.11 22.11 Supplemental DV Fie	WR UCIP eld Study	LS U En	Inspector Comments: FS_ID:4302 EP_NO: N/A Repair Type: Urgent Crossing Status: Indicator Found UCIP Comments: DELETE RECORD FIELD_STRUCT_DESC: Underground to along landside crown. FS Date: 4/24/2012	elephone			39.362150 °	391

* Location

LS: Land Side

WS: Water Side

CR: Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type Ma : Mainter

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

	Sutter i	namilen	iance raru manitenanc	e Ai	ea uu i	3		
		Waterway		Bank	Unit Miles	Inspection Start/End	Inspec	ctor
	Unit No. 0	2 Cheroke	e Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffe	
Explanation Levee Mile	Category Item	Rating ** + Location *	Action/Comment			GPS Latitude	Longitude	Issue No.
Start End	Oategory Item	tion +	Action/Comment			Start	End	Photo
389 22.11 22.11	Supplemental DWR UCIP Field Study	LS U En	Inspector Comments: FS_ID:4808 EP_NO: N/A Repair Type: Urgent Crossing Status: Indicator Found UCIP Comments: Illegal encroachment, 39.36210336, longitude -121.8678207 e 39.35458541, longitude -121.8823409. L Gridley Colusa Highway to the south enalong LS shoulder and levee crown hing sloughs along cable trench after heavey crossing is listed multiple times in the US Inspection report as USACE_CESPK_M13E_2011_p_0307, for slope failure on LS hinge. DWR-Floo Office records shows that CVFPB has re remove conduit in June 2, 2009 letter. LI CVFPB action. FIELD_STRUCT_DESC: Illegal encroac Underground telephone cable through th unknown. (AT&T) FS Date: 4/24/2012	nd latitud Line exter d of proje e point. L rains. Th SACE Pe 0315, 03 d Mainter equested MA waitin hment.	tude le nds from let levee Levee nis eriodic 17, 0318 nance AT&T to ng for	39.362103 ° :121.867820 ° -12		
³⁹⁰ 22.11 22.11	Supplemental DWR UCIP Field Study	LS U En	Inspector Comments: FS_ID:4360 EP_NO: N/A Repair Type: Urgent Crossing Status: Indicator Found UCIP Comments: Illegal encroachment, 39.36210336, longitude -121.8678207 e 121.8823409. Line extends from Gridley	nd 39.35	tude 458541, -	39.362103 ° ; 121.867821 ° -1;	39.362103 ° 21.867821 °	

UCIP Comments: Illegal encroachment, start latitude 39.36210336, longitude -121.8678207 end 39.35458541, -121.8823409. Line extends from Gridley Colusa Highway to the south end of project levee along LS shoulder and levee crown hinge point. Levee sloughs along cable trench after heavey rains. This crossing is listed multiple times in the USACE Periodic Inspection report as USACE_CESPK_M13E_2011_p_0307, 0315, 0317, 0318 for slope failure on LS hinge. DWR-Flood Maintenance Office record shows that CVFPB has requested AT&T to remove conduit in June 2, 2009 letter. LMA waiting for CVFPB action.

FIELD_STRUCT_DESC: Illegal encroachment. Underground telephone cable through the levee. Depth unknown. (AT&T)

FS Date: 4/24/2012

DWR ID: DWR_MA0013_02_f _ 2013_393

* Location

LS: Land Side

WS: Water Side

CR: Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

		Wa	terwa	ay		Bank	Unit Miles	Inspection Start/End	Inspec	ctor
		Unit No. 02 C	Cher	oke	e Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffe	
Levee Mile	Category	Item	Location	Rating	Action/Comment			GPS Latitude/I		Issue No.
\$\overline{6}\$ Start End 391 22.11 22.11	Supplemental	DWR UCIP Field Study	LS	U	Inspector Comments: FS_ID:4300 EP_NO: N/A Repair Type: Urgent Crossing Status: Indicator Found UCIP Comments: Illegal encroachment. Gridley Colusa Highway to the south encalong LS shoulder and levee crown hing sloughs along cable trench after heavey crossing is listed multiple times in the Utinspection report as USACE_CESPK_M13E_2011_p_0307, for slope failure on LS hinge. DWR-Floo Office recored show that CVFPB has recremove conduit in June 2, 2009 letter. L CVFPB action. FIELD_STRUCT_DESC: Illegal encroact Underground telephone cable through the unknown. (AT&T) FS Date: 4/24/2012	d of projecte point. Les rains. The SACE Per 0315, 03 and Mainter quested AMA waiting the same control of	ends from ct levee evee is riodic 17, 0318 nance AT&T to g for	Start 39.362103 ° 3.121.867821 ° -12		394
392 22.11 22.11	Supplemental	DWR UCIP Field Study	LS		Inspector Comments: FS_ID:4301 EP_NO: N/A Repair Type: Urgent Crossing Status: Indicator Found UCIP Comments: Illegal encroachment, 39.36210336, longitude -121.8678207 e 121.8823409. Line extends from Gridley to the south end of project levee along L levee crown hinge point. Levee sloughs trench after heavey rains. This crossing times in the USACE Periodic Inspection USACE_CESPK_M13E_2011_p_0307, for slope failure on LS hinge. DWR-Floo Office recored show that CVFPB has re- remove conduit in June 2, 2009 letter. L CVFPB action. FIELD_STRUCT_DESC: Illegal encroace Underground telephone cable through th unknown. (AT&T) FS Date: 4/24/2012	nd 39.354 Colusa F S should along cat is listed n report as 0315, 03 d Mainter quested A MA waitin	ude 458541, - -lighway er and ole nultiple 17, 0318 nance AT&T to g for	39.362103 ° 3.121.867821 ° -12	9.362103 ° 1.867821 °	395
³⁹³ 22.38 22.38	Earthen Levee	Vegetation	LS	M En	V6 : Landscaping			39.359982 ° 3 -121.871958 ° -12 DWR ID: DWR_MA00		Υ

* Location LS: Land Side WS: Water Side CR: Crown ** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma · Mainter

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

	Wa	terway		Bank	Unit Miles	Inspection Start/End	Inspec	tor
	Unit No. 02 C	Cheroke	ee Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffe	
Levee Mile Category	Item	Rating ** + Location *	Action/Comment			GPS Latitude/L	ongitude	Issue No.
Start End Category		on +				Start	End	Photo
394 22.39 22.39 Supplementa	al DWR UCIP Field Study	LS M En	Inspector Comments: FS_ID:3791 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 42-inch corrug through the levee, 11.7 feet below the ci corrugated metal pipe riser on the water gate on concrete headwall on the landward 1960). FS Date: 5/2/2012 9:41:00 AM	own. Slid ward slop vard end.	al pipe le gate in oe. Slide	39.359870 ° 3: 121.872135 ° -12		396
395 22.39 22.39 Supplementa	al DWR UCIP Field Study	LS U En	Inspector Comments: FS_ID:15639 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: 7/8/2013 Top of slide wheel missing making gate inoperable. replaced before flood season. FIELD_STRUCT_DESC: 42-inch corrug through the levee, 11.7 feet below the ci corrugated metal pipe riser on the water Concrete "U" headwall on the waterward 1960). At concrete headwall trash gate of FS Date: 7/11/2013 9:24:24 AM	Needs to ated meta own. Slid ward slop I end (US	ne and be al pipe le gate in be. ACE-	39.359870 ° 3: 121.872140 ° -12		
³⁹⁶ 22.39 22.39 Supplementa	al DWR UCIP Field Study	LS U En	Inspector Comments: FS_ID:15640 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: 7/8/2013 Top of slide wheel missing making gate inoperable. replaced before flood season. FIELD_STRUCT_DESC: 42-inch corrug	Needs to ated meta	ne and be al pipe	39.359870° 3: 121.872140°-12	9.359870 ° 1.872140 °	398

* Location
LS: Land Side
WS: Water Side
CR: Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type
Ma: Mainter

through the levee, 11.7 feet below the crown. Slide gate in corrugated metal pipe riser on the waterward slope. Concrete "U" headwall on the waterward end (USACE-1960). At concrete headwall trash gate on WS inlet.

FS Date: 7/11/2013 9:26:30 AM

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence
En : Enforcement

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank Unit Miles			Inspector
Unit No. 02 Cherokee Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffey
Levee Mile Category Item Start End Category Action/Comment			GPS Latitude/L	Longitude Issue No. End Photo
Supplemental DWR UCIP Field Study Signature Field Study Field Study Signature Field Study Signature Field Study Field Study LS U Inspector Comments: FS_ID:15638 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: 7/8/2013 Top of slide wheel missing making gate inoperable. replaced before flood season. FIELD_STRUCT_DESC: 42-inch corrugathrough the levee, 11.7 feet below the croorrugated metal pipe riser on the water Concrete "U" headwall on the waterward 1960). At concrete headwall trash gate of FS Date: 7/11/2013 9:21:42 AM	Needs to ated meta rown. Slid ward slop I end (US	ne and be al pipe le gate in be. ACE-	39.359870 ° 3' 121.872140 ° -12	
398 22.40 22.40 Supplemental DWR UCIP Field Study LS M En EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Unable to locate LS he photo of LS headwall during next inspect FIELD_STRUCT_DESC: 30-inch corrug through the levee, 15.3 feet below the cr the waterward end. Concrete "U" headw. This pipe runs on an angle through the le underground along the landward slope to where it enters a ditch on the landward s 1960). FS Date: 4/24/2012 5:39:00 PM	tion. ated meta rown. Flap alls on boo evee, the o levee m	Need al pipe o gate on oth ends. n iile 22.39	39.359827 ° 3: 121.872298 ° -12	9.359827 ° 400 1.872298 °
399 22.40 22.40 Supplemental DWR UCIP Field Study LS M Inspector Comments: FS_ID:5714 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Unable to locate LS he photo of LS headwall during next inspect FIELD_STRUCT_DESC: 30-inch corrug, through the levee, 15.3 feet below the or the waterward end. Concrete "U" headward This pipe runs on an angle through the le underground along the landward slope to where it enters a ditch on the landward s 1960). FS Date: 4/24/2012 5:39:00 PM	tion. ated meta rown. Flap alls on bo evee, the o levee m	Need al pipe o gate on oth ends. n iile 22.39		9.359827 ° 401 1.872300 °

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway			Bank	Unit Miles	Inspection Start/End	Inspector	
	Unit No. 02 Cherokee Canal				23.10	10/31/2013 10/31/2013	Bob Duffey
Levee Mile Start End Category	/ Item	Rating ** + Location *	Action/Comment			GPS Latitude/L	ongitude Issue No. End Photo
400 22.40 22.40 Supplement	Field Study En EP_NO: N/ Repair Type Crossing S UCIP Come photo of LS Same as la FIELD_STF through the the waterwa This pipe ru undergroun where it en 1960).		Inspector Comments: FS_ID:15641 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Unable to locate LS headwall. Need photo of LS headwall during next inspection.7/8/2013 Same as last inspection. Unable to locate LS headwall. FIELD_STRUCT_DESC: 30-inch corrugated metal pipe through the levee, 15.3 feet below the crown. Flap gate on the waterward end. Concrete "U" headwalls on both ends. This pipe runs on an angle through the levee, then underground along the landward slope to levee mile 22.39 where it enters a ditch on the landward side (USACE- 1960). FS Date: 7/11/2013 9:26:59 AM		Need 2013 adwall. al pipe p gate on oth ends. n	39.359827 ° 39.121.872300 ° -121.872000 ° -121.872000 ° -121.872000 ° -121.872000 ° -121.872000 ° -1	
401 22.40 22.40 Supplement	22.40 22.40 Supplemental DWR UCIP Field Study En EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 30-inch corrugated metal pipe through the levee, 15.3 feet below the crown. Flap gate on the waterward end. Concrete "U" headwalls on both ends. This pipe runs on an angle through the levee, then underground along the landward slope to levee mile 22.39 where it enters a ditch on the landward side (USACE- 1960). FS Date: 4/24/2012 5:39:00 PM		39.359827 ° 30.121.872298 ° -127				
402 22.40 22.40 Supplement	ntal DWR UCIP Field Study	LS U En	Inspector Comments: FS_ID:4160 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 30-inch corrug through the levee, 15.3 feet below the cr the waterward end. Concrete "U" headw	own. Fla	al pipe p gate on	39.359827° 39. 121.872298° -12	9.359827 ° 404 1.872298 °

1960).

This pipe runs on an angle through the levee, then underground along the landward slope to levee mile 22.39 where it enters a ditch on the landward side (USACE-

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

FS Date: 4/24/2012 5:39:00 PM

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway			Bank	Unit Miles	Inspection Start/End	Inspector			
	Unit No. 02 Cherokee Canal				Left	23.10	10/31/2013 10/31/2013	Bob Duffey	
Levee Mile Start End	Category	ory Item * are in the state of		Action/Comment			GPS Latitude/L	Longitude Issue No. End Photo	
403 22.40 22.40	Supplemental	DWR UCIP Field Study	LS	U En	Inspector Comments: FS_ID:4161 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 30-inch corrugated metal pipe through the levee, 15.3 feet below the crown. Flap gate on the waterward end. Concrete "U" headwalls on both ends. This pipe runs on an angle through the levee, then underground along the landward slope to levee mile 22.39 where it enters a ditch on the landward side (USACE- 1960). FS Date: 4/24/2012 5:39:00 PM		al pipe o gate on oth ends. n nile 22.39	39.359827 ° 39.3121.872298 ° -12	9.359827 ° 405 1.872298 °
404 22.40 22.40	404 22.40 Supplemental DWR UCIP Field Study LS U Inspector Comments: FS_ID:4162 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 30-inch corrugated metal pipe through the levee, 15.3 feet below the crown. Flap gate on the waterward end. Concrete "U" headwalls on both ends. This pipe runs on an angle through the levee, then underground along the landward slope to levee mile 22.39 where it enters a ditch on the landward side (USACE- 1960). FS Date: 4/24/2012 5:39:00 PM		al pipe o gate on oth ends. n nile 22.39	DWR ID: DWR_MA001 39.359827 ° 38 121.872298 ° -12	9.359827 ° 406 1.872298 °				
⁴⁰⁵ 22.40 22.40	Supplemental	DWR UCIP Field Study	LS	U En	Inspector Comments: FS_ID:4163 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 30-inch corrug through the levee, 15.3 feet below the cr the waterward end. Concrete "U" headw This pipe runs on an angle through the le underground along the landward slope to where it enters a ditch on the landward slope	rown. Flap alls on bo evee, the o levee m	al pipe o gate on oth ends. n nile 22.39		9.359827 ° 407

1960).

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

FS Date: 4/24/2012 5:39:00 PM

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway			Bank	Unit Miles	Inspection Start/End	Inspec	tor		
Unit No. 02 Cherokee Canal				Left	23.10	10/31/2013 10/31/2013	Bob Duffe		
Levee Mile Start End	Category	Item	Location	Action/Comment			GPS Latitude.	/Longitude End	Issue No. Photo
406 22.40 22.40	Supplemental	DWR UCIP Field Study	WS U		rown. Fla valls on be levee, the to levee n	tal pipe ip gate on oth ends. en nile 22.39	39.359827 ° -1.121.872298 ° -1.		
407 22.40 22.40	O7 22.40 Supplemental DWR UCIP Field Study WS U Inspector Comments: FS_ID:4281 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 30-inch corrugated metal pipe through the levee, 15.3 feet below the crown. Flap gate on the waterward end. Concrete "U" headwalls on both ends. This pipe runs on an angle through the levee, then underground along the landward slope to levee mile 22.39 where it enters a ditch on the landward side (USACE- 1960). FS Date: 4/24/2012 5:39:00 PM		tal pipe ip gate on oth ends. en nile 22.39	39.359827 ° -121.872298 ° -1					
408 22.42 22.42	Earthen Levee	Encroachments	LS N	· ·			39.359707 ° -121.872555 ° -1 DWR ID: DWR_MA0		Υ

WS M E1: Note and monitor erosion site.

Ма

* Location LS: Land Side WS: Water Side CR: Crown

409 22.83 22.85 Earthen

Levee

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

Erosion / Bank

Caving

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement 39.356498 ° 39.356303 °

-121.879030 ° -121.879417 °

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cherokee Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffey

Levee Mile Report Line	2			
Start Levee Mile	0.04			
End Levee Mile	0.04			
Location	Water Side			
Category	Supplemental			
Item	DWR UCIP Field Study			
Overview looking south on left levee				



UCIP_138.jpg

Levee Mile Report Line	26
Start Levee Mile	1.71
End Levee Mile	1.71
Location	Water Side
Category	Supplemental
Item	DWR UCIP Field Study

View of LS slide gate. Sediment deposit near gate.



UCIP_1352.jpg

Levee Mile Report Line	38
Start Levee Mile	2.55
End Levee Mile	2.55
Location	Water Side
Category	Supplemental
Item	DWR UCIP Field Study
	(0)

Headwall and screw gates (2) located on land side of levee. Missing handle on screw gate 1 of 2.

UCIP_91.jpg



Location LS: Land Side WS : Water Side CR : Crown Rating

M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated

C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cherokee Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffey

Levee Mile Report Line	52			
Start Levee Mile	2.64			
End Levee Mile	2.64			
Location	Water Side			
Category	Supplemental			
Item	DWR UCIP Field Study			
View of slide gate looking upstream. Utility line downstream next to this crossing.				
UCIP_8257.jpg				

Levee Mile Report Line	55
Start Levee Mile	2.64
End Levee Mile	2.64
Location	Water Side
Category	Supplemental
Item	DWR UCIP Field Study
	·

Headwall and screw gate located on the LS

UCIP	96.	odi
	,	ಗಿಲ

Levee Mile Report Line	63		
Start Levee Mile	3.61		
End Levee Mile	3.61		
Location	Water Side		
Category	Supplemental		
Item	DWR UCIP Field Study		
Flap gate submerged in water on WS of levee			







Location LS: Land Side WS : Water Side CR : Crown

UCIP_101.jpg

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cherokee Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffey

Levee Mile Report Line	79		
Start Levee Mile	3.68		
End Levee Mile	3.68		
Location	Water Side		
Category	Supplemental		
Item	DWR UCIP Field Study		
Headwall and flap gate located on water side of levee			
UCIP_104.jpg			

Levee Mile Report Line	89
Start Levee Mile	3.86
End Levee Mile	3.86
Location	Water Side
Category	Supplemental
Item	DWR UCIP Field Study

On the LS unable to evaluate the LS slope around headwall due to dense vegetation.

UCIP_8301.jpg

Levee Mile Report Line	101	
Start Levee Mile	4.21	
End Levee Mile	4.21	
Location	Water Side	
Category	Supplemental	
Item	DWR UCIP Field Study	
Overview of LS screw gate and concrete sump structure.		

UCIP_110.jpg







Location LS: Land Side WS : Water Side CR : Crown Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cherokee Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffey

104		
4.58		
5.00		
Water Side		
Earthen Levee		
Encroachments		
View of agricultural ditch along the toe.		

Levee Mile Report Line	105
Start Levee Mile	4.70
End Levee Mile	4.70
Location	Water Side
Category	Supplemental
Item	DWR UCIP Field Study

Headwall and flap gate located on water side of levee.

UCIP	116.jpg

rduffey_s_20120312_341.jpg

Levee Mile Report Line	113
Start Levee Mile	5.06
End Levee Mile	5.06
Location	Water Side
Category	Supplemental
Item	DWR UCIP Field Study

View of side profile of LS headwall. Exposed headwall and possible erosion ocurring behind headwall repaired by dumping rip rap.

UCIP_122.jpg







* Location

LS: Land Side

WS: Water Side

CR: Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected VW : Acceptable but Monitor & Maintain

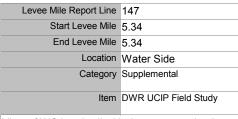
+ Issue Type

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cherokee Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffey

26				
.08				
.08				
/ater Side				
upplemental				
WR UCIP Field Study				
New carsonite gas line marker				
\ \				



View of WS headwall with dense vegetation in channel.

		UCIP	_592.jpg
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UCIP_9702.jpg

Levee Mile Report Line	152
Start Levee Mile	5.40
End Levee Mile	5.40
Location	Water Side
Category	Supplemental
Item	DWR UCIP Field Study
Overview of site	

UCIP_1476.jpg







Location LS: Land Side WS : Water Side CR : Crown Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cherokee Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffey

Levee Mile Report Line	159	
Start Levee Mile	5.85	
End Levee Mile	5.85	
Location	Land Side	
Category	Supplemental	
Item	DWR UCIP Field Study	
Headwall and damaged/missing screw gate on land side of levee		
UCIP_129.jpg		

Levee Mile Report Line	185	
Start Levee Mile	6.23	
End Levee Mile	7.62	
Location	Land Side	
Category	Earthen Levee	
Item	Encroachments	
View of the agricultural ditch along the toe.		

rduffey s 20120312 334 inc

rduffey_s_20120312_334.jpg		
Levee Mile Report Line	186	
Start Levee Mile	6.75	
End Levee Mile	6.75	
Location	Land Side	
Category	Earthen Levee	
Item	Vegetation	
View of the burned and dragged slopes.		
rduffey_f_20131118_148.JPG		







Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cherokee Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffey

Levee Mile Report Line	189	
Start Levee Mile	7.24	
End Levee Mile	7.24	
Location	Land Side	
Category	Supplemental	
Item	DWR UCIP Field Study	
View of double box culvert with hand rail from landside.		



UCIP_1168.jpg

Levee Mile Report Line	199	
Start Levee Mile	8.38	
End Levee Mile	8.38	
Location	Land Side	
Category	Supplemental	
Item	DWR UCIP Field Study	
WS view cable line attached to highway bridge		

WS view cable line attached to highway bridge.



UCIP_2304.jpg

Levee Mile Report Line	200
Start Levee Mile	9.68
End Levee Mile	9.68
Location	Land Side
Category	Supplemental
Item	DWR UCIP Field Study

WS view of crossing. Dense vegetation along WS slope limited visual inspection. (WS Photo 2 of 2)

UCIP_2306.jpg



* Location LS : Land Side WS : Water Side CR : Crown ** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected vw : Acceptable but Monitor & Maintain

+ Issue Type

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cherokee Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffey

Levee Mile Report Line	207	
Start Levee Mile	9.76	
End Levee Mile	9.76	
Location	Land Side	
Category	Supplemental	
Item	DWR UCIP Field Study	
Overview of levee crown at crossing.		



UCIP_1578.jpg

Levee Mile Report Line	231	
Start Levee Mile	10.14	
End Levee Mile	10.64	
Location	Land Side	
Category	Earthen Levee	
Item	Encroachments	
View of the agricultural ditch along the toe		

View of the agricultural ditch along the toe.



234
10.67
10.67
Land Side
Supplemental
DWR UCIP Field Study
nt crosses highway.





* Location LS: Land Side WS: Water Side CR: Crown

UCIP_635.jpg

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cherokee Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffey

Levee Mile Report Line	240			
Start Levee Mile	10.68			
End Levee Mile	10.68			
Location	Land Side			
Category	Supplemental			
Item	DWR UCIP Field Study			
Pole within the channel was not removed.				
UCIP_1535.jpg				

Levee Mile Report Line	241
Start Levee Mile	10.70
End Levee Mile	11.79
Location	Land Side
Category	Earthen Levee
Item	Encroachments

View of the agricultural ditch along the toe.

rduffey_s_20120312_337.jpg

Levee Mile Report Line	250
Start Levee Mile	13.03
End Levee Mile	13.03
Location	Land Side
Category	Supplemental
Item	DWR UCIP Field Study

Overview of crossing looking downstream at the left bank of Cherokee Canal.

UCIP_8415.jpg







: Corrected Ob : Desig : Acceptable but Monitor & Maintain En : Enforce

Ma: Maintenance Deficiancy
Ob: Design & System Obsolescence
En: Enforcement

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cherokee Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffey

Levee Mile Report Line	251				
Start Levee Mile	13.55				
End Levee Mile	14.10				
Location	Land Side				
Category	Earthen Levee				
Item Encroachments					
View of the agricultural ditch along the toe.					
rduffey_s_20120312_338.jpg					
Levee Mile Report Line 253					

Levee Mile Report Line	253
Start Levee Mile	15.62
End Levee Mile	15.62
Location	Land Side
Category	Supplemental
Item	DWR UCIP Field Study

WS slope cleared of vegetation

UCIP_8435.jpg

Levee Mile Report Line	261
Start Levee Mile	15.86
End Levee Mile	15.86
Location	Land Side
Category	Supplemental
Item	DWR UCIP Field Study
View of WS headwall.	
UCIP_1178.jpg	







* Location LS : Land Side WS : Water Side CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cherokee Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffey

Levee Mile Report Line	269
Start Levee Mile	16.25
End Levee Mile	16.25
Location	Land Side
Category	Supplemental
Item	DWR UCIP Field Study
Appurtances on WS.	



UCIP_8456.jpg

Levee Mile Report Line	277	
Start Levee Mile	17.05	
End Levee Mile	18.93	
Location	Land Side	
Category	Earthen Levee	
Item	Encroachments	
View of the agricultural ditch along the toe		

View of the agricultural ditch along the toe.



Levee Mile Report Line	281
Start Levee Mile	17.06
End Levee Mile	17.06
Location	Land Side
Category	Supplemental
Item	DWR UCIP Field Study
View of WS slope.	
UCIP_155.jpg	





* Location
LS: Land Side
WS: Water Side
CR: Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cherokee Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffey

Levee Mile Report Line	291	
Start Levee Mile	17.55	
End Levee Mile	17.66	
Location	Land Side	
Category	Earthen Levee	
Item	Encroachments	
View of the prunings along the landside slope.		

jhirabay_f_20131212_003.jpg

Levee Mile Report Line	292
Start Levee Mile	18.37
End Levee Mile	18.37
Location	Land Side
Category	Supplemental
Item	DWR UCIP Field Study

View of LS headwall.



300
19.58
20.15
Land Side
Earthen Levee
Encroachments
itch along the toe.







Location LS: Land Side WS : Water Side CR : Crown

rduffey_s_20120312_340.jpg

Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monite

: Corrected : Acceptable but Monitor & Maintain

+ Issue Type

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cherokee Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffey

Levee Mile Report Line	302
Start Levee Mile	20.15
End Levee Mile	20.15
Location	Land Side
Category	Supplemental
Item	DWR UCIP Field Study
Erosion behind WS head downstream edge of hea	•

313
20.72
20.99
Land Side
Earthen Levee
Trim / Thin Trees

Trim the trees 5 feet to allow visibility along the landside slope.

jhirabay_f_20131212_002.jpg

UCIP_162.jpg

Levee Mile Report Line	315
Start Levee Mile	21.00
End Levee Mile	21.00
Location	Land Side
Category	Supplemental
Item	DWR UCIP Field Study

Corrugated metal pipe risers with slide gates located on WS slope.

UCIP_8509.jpg







Location LS: Land Side WS : Water Side CR : Crown Rating

M : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monit Corrected

Acceptable but Monitor & Maintain

+ Issue Type

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cherokee Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffey

355
21.59
21.59
Land Side
Supplemental
DWR UCIP Field Study
e inlet.

Levee Mile Report Line	377
Start Levee Mile	22.08
End Levee Mile	22.08
Location	Land Side
Category	Supplemental
Item	DWR UCIP Field Study
View of LC beardwall	

View of LS headwall.

UCIP	2339.jpg

Levee Mile Report Line	383	
Start Levee Mile	22.11	
End Levee Mile	22.11	
Location	Land Side	
Category	Supplemental	
Item	DWR UCIP Field Study	
View of utility line located on LS toe.		







UCIP_237.jpg

Ma: Maintenance Deficiancy
Ob: Design & System Obsolescence
En: Enforcement

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cherokee Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffey

Levee Mile Report Line	393	
Start Levee Mile	22.38	
End Levee Mile	22.38	
Location	Land Side	
Category	Earthen Levee	
Item	Vegetation	
View of landscaping along the toe.		

Levee Mile Report Line	397
Start Levee Mile	22.39
End Levee Mile	22.39
Location	Land Side
Category	Supplemental
Item	DWR UCIP Field Study

rduffey_s_20120312_329.jpg

View of corrugated metal risers located on WS.

UCIP_8566.jpg	
Levee Mile Report Line	400
Start Levee Mile	22.40
End Levee Mile	22.40
Location	Land Side
Category	Supplemental
Item	DWR UCIP Field Study
View of WS slope looking levee crown.	g from WS headwall to







* Location
LS: Land Side
WS: Water Side
CR: Crown

UCIP_8585.jpg

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cherokee Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffey

Levee Mile Report Line	408
Start Levee Mile	22.42
End Levee Mile	22.42
Location	Land Side
Category	Earthen Levee
Item	Encroachments
View of the debris & prur	nings.

Levee Mile Report Line	409	
Start Levee Mile	22.83	
End Levee Mile	22.85	
Location	Water Side	
Category	Earthen Levee	
Item	Erosion / Bank Caving	
View of the along the canal.		

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